Lokesh Vazirani

Pre-Final Year B.Tech | Information Technology

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Introductory Profile

An ambitious B.Tech Pre-final year student specializing in Information Technology at GHRCE, Nagpur. With a proven track record, I've seamlessly integrated theoretical knowledge with practical skills during my tenure as a Data Science Intern at Codons Technologies. Alongside accolades such as winning the ELEVATE Hackathon in Data Science category, I've cultivated a versatile skill set in Python, data processing with PyTorch and TensorFlow, and data visualization using PowerBI. Eager to bring my data-driven insights, innovative mindset, and technical prowess to contribute effectively to your data science initiatives.

Education

- **Bachelor of Technology in Information Technology** — *2021 - 2025*
  G H Raisoni College of Engineering, Nagpur — CGPA: 7.57

- **XII Standard** — *2019 - 2021*
  Bhartiya Vidya Bhavans, Ashti — Percentage: 77.6%

Achievements

- **ELEVATE Hackathon Winner** IEEE CS Hackathon — *1st Place in Data Science Category*
  Event Date: 08/2023

- **Semester at IIIT Nagpur** Credit Transfer Scheme (CTS) — *Studied at IIIT Nagpur for one semester*
  Event Date: 01/2023 to 05/2023

- **Biomedical Hackathon Winner** College Biomedical Hackathon — *Developed a Siline Alert System using IoT*
  Event Date: 07/2022

Experience

- **Data Science Intern** — *08/2023 - present*
  Nagpur — Codons Technologies

  - Implemented advanced analytics techniques, leading to an 80% improvement in accuracy for predicting investment opportunities and future earnings.
  - Leveraged Python, utilizing PyTorch and TensorFlow for precise data processing, leading to a significant 98% improvement in accuracy in predicting mutual funds data.
  - Utilized PowerBI to deliver valuable data-driven insights for strategic decision-making in the mutual funds sector.
  - Exhibited strong analytical skills, attention to detail, and a dedication to delivering impactful outcomes specifically in the mutual funds domain

- **Full-Stack Developer Intern** — *09/2023 - 10/2023*
  Remote — Alhansat Solutions

  - Spearheaded SvelteJS frontend and backend development for DeveloperStar Platform, benefiting a broader audience of developers.
  - Implemented critical API endpoints and contracts for CURD operations, optimizing functionality and scalability by 75 %.
  - Recognized for outstanding contributions with a Letter of Recommendation.

- **Backend Developer Intern** — *10/2022 - 01/2023*
  Nagpur — Techno Spectra Ed Tech PVT. LTD.

  - Led the development of a robust Express JS Backend & Angular JS Frontend for the 108th Indian Science Congress App , ensuring seamless integration and high-performance.
  - Led the successful implementation of REST APIs & JWT-based user authentication, enhancing system security by 30%.
  - Conducted thorough API testing with Postman, identifying and fixing 50+ issues.
  - Connected the Backend with MongoDB Atlas Cluster for reliable and scalable data storage.
  - Executed comprehensive Postman API testing, resolving 50+ issues for a resilient user experience.

Personal Projects

- **Stock Price Prediction**

  Stock Price Prediction with help of ML and applied analytics

  - The Stock Market Prediction App is a web application built using Streamlit, yfinance, and Prophet for time series forecasting. It allows users to select a stock, choose the number of years for prediction, and visualizes the raw stock data along with forecasted data using Facebook Prophet.
  - Technology Used : Streamlit , Time series forecasting , yFinance, Prophet .

- **Health Information and Diagnostic System [WIP]**

  Web app that predicts diseases with high accuracy based on health parameters and diagnostic images.

  - Developing a web application for health assessment and disease prediction using various health parameters, symptoms, and diagnostic images with a focus on achieving high accuracy. Gained skills in HTML, CSS, Streamlit, and machine learning tools like TensorFlow and Keras.
  - Technology Used : TensorFlow , Keras , Streamlit.

- **JobGo**

  Job-Searching Made Easy

  - A React Native and Expo-powered mobile app, transforming job searches with an intuitive interface and seamless features, integrated JSearch API, resulting in a 40 percent reduction in job search time.

- **Emereds**

  Web Based Hospital Beds Availability Tracker in Real time.

  - Facilitated real-time tracking of hospital bed availability during the COVID-19 pandemic, Helped users find available beds with a success rate of 80%.
  - Utilized FireStore and ExpressJS for efficient data retrieval.
  - Technologies: Firebase, HTML, CSS, ExpressJS, NodeJS, Bootstrap.

Technical Skills and Interests

Languages: Python, Java , Javascript , SQL , Git .
Frameworks: Numpy , Pandas , TensorFlow , PyTorch , Tableau , PowerBI , Node.js , React , Angular , AJAX, IBM Watson AI(Generative AI), Gemini AI , OpenAI API , OpenCV , Matplotlib , Plotly , Django .
Cloud/Databases:MongoDb, Firebase, Relational Database(MySQL, PSQL) , PostgreSQL , HBase , AWS , GCP .
Areas of Interest: AI Solutions , Deep Learning , Data Science , Agile Development , Complex Technical Concepts , Software Design.
Interpersonal Skills: Problem Solving , Presentation, Adaptability, Negotiation, Strong Commitment , Aptitude.
Course Work: Probability and Statistics, Linear Algebra, Permutation and Combination, and Epipolar Geometry.
Platforms: Linux , Windows , MacOS.

Positions of Responsibility

- **Google Developer Student Club, GHRCE** Android Lead   *08/2023 - Present*

  - Organized and led key events such as "FigmaLifestyle" and "Android Compose Camp," demonstrating leadership, organizational skills, and a commitment to the technological growth of the student community.
  - Collaborated in the coordination and successful hosting of the Speakathon, earning a prestigious spot in the "Limca Book of World Records" where 1200+ students spoke continuously for 12 hours non-stop.

- **IEEE CIS Chapter, Bombay Section, GHRCE** Chapter Volunteer   *08/2022 - 09/2023*

  - Delivered a talk on Git and GitHub, promoting version control and collaboration tools.
  - Actively contributed to community service projects.

- **Entrepreneurship Cell (E-Cell), GHRCE** E-Cell Volunteer   *07/2022 - Present*

  - Assisted in organizing entrepreneurial events and workshops.
  - Managed logistics and registrations, promoting entrepreneurship and innovation.