Aayush Kumar

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EDUCATION

Graphic Era University, Dehradun   Dehradun, Uttarakhand
*B.Tech in Computer Science and Engineering, **CGPA - 8.81***   ***July 2021 - June 2025***

INTERNSHIP / EXPERIENCE

Redcliffe Labs - Product Analyst   **July 2024 - Aug 2024**

- Accomplished a 30% improvement in analysis of products by handling data for distributed systems at scale, analyzing over 10,000 product listings from Justdial and Amazon.
- Reduced manual data entry time by 40% by optimization and automating Excel tasks using **Openpyxl**.
- Achieved 92% data extraction accuracy by automating email data retrieval using Chrome WebDriver.
- Boosted task completion by 25% by integrating **JIRA** and **NOTION** for team collaboration.

PROJECTS

Project 1 **JARVIS AI : AI Assistant powered with ChatGPT API Key** [Project Link](#)

- Enhanced a scalable AI system with real-time accuracy improvements by processing 500+ daily commands.
- Enabled 70% high performance and faster result storage by leveraging distributed system with GPT 4 engine.
- Boosted response precision by 20% and enhanced user experience by upgrading to GPT-4.
- Technologies: **Python, PyAudio, Speech Recognition, NLP, chatGPT API Key**

Project 2 **T20 World Cup Data Analytics**

- Automated the data scraping process using scheduled Python scripts , ensuring real-time updates of player stats and match data, reducing manual effort by 95%.
- Extracted 500+ data points per match, covering player and team statistics for over 10,000 T20 matches.
- Technologies: **Python, Pandas, Power BI, Matplotlib**

Project 3 **Optimized Hyperparameter Tuning using Azure Tools** [Project Link](#)

- Achieved model accuracy of 92% by applying cross-validation and grid search.
- Enhanced model precision by 10% across 5,000 test cases by implementing data augmentation.
- Deployed the model as a web service on **Azure**, delivering real-time predictions with sub-100ms latency, supporting 500+ concurrent users.
- Technologies: **Azure ML Studio, Azure Notebook, Azure Web Services, pandas, scikit-learn**

SKILLS

- **Programming Languages :** C/C++, Python, HTML, CSS, JavaScript, React.js, Java
- **Databases:** SQL, MySQL (Relational Database), MongoDB(NOSQL)
- **Cloud Technologies :** AWS (Cloud Computing), Virtualization, VMware, Hyper-V, GCP, BigQuery, Dataflow
- **Development Methodologies :** Agile Environment, Scrum Methodology, Software Engineering Principles
- **Data Analysis Tools:** Excel (advanced functions, VBA), Tableau or Power BI for data visualization
- **Experienced in:** Database Management System, Object-Oriented Design, Algorithms
- **Project Management:** Jira, Notion for tracking project progress in a collaborative environment

ACHIEVEMENTS

- **Hackathon -** Awarded as 2nd Runner-Up among teams from 20+ institutions in a 72-hour hackathon.
- **Data Structures and Algorithms -** 600+ questions on Leetcode, Ranked in the **top 14.68% globally** on **Leetcode** with a rating of **1676**, gaining various complexity analysis experience.
- **Certification -** Google - Technical Support Fundamentals [Link](#)