

Prabhanshu Abhishek

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Recent Involvements

- **Question Answering chatbot** - Hobby Project - [Github Link](#) - [Google Colab link](#) Feb'24 - Mar'24
 - Implemented Retrieval Augmented Generation(RAG), a natural language processing (NLP) technique to reduce hallucination in Large Language models, thus making text generation more accurate.
 - Used **MVC design pattern for the web application**. **OOP and SOLID principles** for scalable and maintainable app.
 - Frameworks used: Langchain for data and machine learning; Chainlit for front-end.
- **UPSC Civil Services Examination(CSE)** July'19 - Mar'24
 - Appeared in 2022 and 2023 Interview - within the top 0.25% of approximately 1 million applicants.
 - Developed a growth mindset, prioritizing continuous learning and skill development.
 - Enhanced teamwork and leadership skills by collaborating on challenging tasks, relevant to the exam.

Professional Experience

- **Software Development Engineer, Amazon** Jun'17 - July'19
Core Transportaion Technology
 - Worked on services which forms the core of the Transportation Organization and services that expose shipment tracking data to Amazon customers, support teams, and internal systems.
 - **Spearheaded migration of Oracle Database to AWS Aurora PostgreSQL**, which required changes in multiple micro-services, communicating with other teams like DB Administrators, downstream teams(both India and US teams) and making sure of data integrity given the extremely high throughput at Amazon Scale.
 - **Developed an internal web service**, ScanInsertionTool. Took charge of both front-end and partial back-end development, utilizing Java, Javascript, Bootstrap framework, asynchronous processing etc.
 - **Skills used: Java, Spring Framework, AWS, Object-Oriented Programming, Microservices Architecture, Low-level design, System Design, Data structure, Algorithms, Git**
- **Software Development Engineer Intern, Amazon** May'16 - July'16
 - Quickly grasped and applied Java, AWS, Workflows, and Spring framework within a short timeframe.
 - Streamlined failure handling in Hawkeye alert system by implementing robust workflows to auto-generate notifications when alarms failed to retrieve status due to system glitches.

Academic Achievements

- **B.Tech, Computer Science & Engineering** 2013 - 2017
 Indian Institute of Technology, Kanpur *CPI - 8.6/10*
- **KVPY Scholar** (2011-12) and **NTSE Scholar** (2010). Secured **Rank 10** in **RMO**.

Other Relevant Academic Projects

- **SHARED Web app** - [Github Link](#) Aug'16 - Nov'16
 - Sharing files among friends across devices without file size limit using Peer-to-Peer (P2P) sharing
 - Features: Access control, real time streaming, multiple downloads and seeding, resuming capability.
 - Tools/Frameworks used: User Authentication using **Google's OAuth 2.0**, **Django** for implementing **MVC Design pattern**, webTorrent for seeding and downloading, JQuery and JavaScript
- **Large Scale Item Categorization**, Prof. Harish Karnick - [Github Link](#) May'15 - june'15
- **Sentiment analysis of brands based on Twitter Data** - [Takneek'14](#) Aug'14

Technical Skills

- **Languages:** Java, C++, Python, Bash
- **Frameworks:** Spring, Junit, Mockito, Django, Bootstrap
- **Skills:** Algorithm, Data Structure, Object Oriented Programming(OOP), Microservices Architecture, Amazon Web Services(AWS), System Design, Proficiency in debugging, Unit testing, Operating Systems, Version control/Git, Teamwork