Tejas Ramesh Pawar

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A graduate student specializing in Computer Science with a proven track record in software engineering. Seeking software engineering and data science roles to apply advanced skills in technology optimization.

Technical Skills

- **Languages**: JAVA, Python, Golang, C, C++, JavaScript, SQL, Shell Script, MATLAB
- **Frameworks**: Spring Boot, React, Scikit, NLTK, Numpy, TensorFlow, Keras, Agile
- **Tools**: Aerospike, Kafka, MongoDB, MySQL, GIT, Data Structures, Algorithms, Object Oriented Programming
- **Others**: Linux/Unix, Docker, Kubernetes, REST, High Performance Computing, Microservices, Jira, Confluence

Work Experience

Software Engineer - Full Stack, **Airtel Digital**, Gurugram, India *July 2021 - July 2023*

- Developed and maintained robust Spring Boot applications, demonstrating strong proficiency in unit testing and clean coding practices to ensure high-quality software delivery.
- Collaborated with 10+ external partners along with cross-functional teams to expand the Digital Store catalog, adding 100+ new products and services, leading to a 20% increase in customer acquisition.
- Spearheaded the development of multiple microservices from inception, aligning with business goals and reducing API response time using Backend technologies, by 40%, resulting in a 15% increase in user engagement.
- Engineered a cutting-edge lead delivery system for Airtel SHOP app, enabling seamless integration with third-party platforms; reduced lead transfer time by 50% and boosted lead conversion rates by 40%.
- Implemented UI enhancements and infrastructure revamps, including migrating 50% of database traffic to Aerospike, reducing latency by 30% and improving system uptime by 20% by proactively addressing potential issues through regular maintenance activities and identifying and resolving bottlenecks in code.

Software Engineering Intern, **Airtel Digital**, Gurugram, India *January 2021 - July 2021*

- Involved in development of a self-serve tool for third party integration of partners with Airtel Digital Store that helped reduce integration time by 50%.
- Engineered and optimized RESTful APIs for traffic distribution and management, resulting in a 25% reduction in order failures on the digital store, significantly improving user experience and reliability.
- Designed and implemented comprehensive monitoring and logging solutions, enabling proactive issue detection and resolution, which reduced system downtime.

Education

- **University of Utah** Salt Lake City, Utah, USA
  Masters of Science - Computer Science; GPA: 3.8/4 *August 2023 - Present*
  Courses: *Advanced Algorithms, Computer Architecture, Machine Learning, Operating Systems*
- **Indian Institute of Information Technology Allahabad** Allahabad, India
  Bachelor of Technology - Information Technology; CGPA: 8.18/10 *July 2017 - June 2021*
  Courses: Computer Science *- Design And Analysis Of Algorithms,Data Structures And Algorithms, Database Management System, Operating System, Object Oriented Methodology, Data Mining, Deep Learning.* ***Mathematics*** *- Linear Algebra, Probability And Statistics.*

Project Experience

- **CALTECH Bird Dataset Classification Using Capsule Network** :
  - **Technology**: Python3, High Performance Computing.
  - **Description**: Developed an advanced classification system for 200 species of North American birds, each represented by 60 samples, by expanding a preexisting Convolutional Neural Network (CNN) to a Capsule Network (CapsNet).
  - **Impact**: Enhanced model accuracy, leveraging CapsNet's superior ability to recognize spatial hierarchies and relationships within the dataset, significantly improving classification performance with the use of High Performance Computing.
- **Speech To Text and Summarization**:
  - **Technology**: Natural Language Processing, Python, NLTK, Tkinter(Python frontend)
  - **Description**: Engineered a sophisticated application to convert speech to text documents and generate concise summaries. The system accepts voice recordings or direct microphone input.
  - **Impact**: Achieved competitive accuracy by comparing and refining the model against leading market summarizers, delivering a robust solution for efficient and accurate speech transcription and summarization.