Khushi Goyal

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Software Engineer with expertise in Python, Java, and full-stack development, skilled in backend services and frontend frameworks. Experienced in building scalable applications, optimizing performance to enhance user experience. Passionate about developing efficient, high-quality software solutions and working in agile, cross-functional teams to drive innovation.

Education

University of Southern California (USC) **May 2025**
Master of Science, Computer Science, GPA: 3.6 *Los Angeles, California*

SRM University, Chennai **June 2019 – May 2023**
Bachelor of Technology, Computer Science, GPA: 9.01 *Chennai, India*

Technical Skills

Programming Languages: Python, Java, JavaScript, TypeScript, C++, C#, Swift, Kotlin, GoLang, SQL, HTML/CSS
Frameworks and Tools: Git, React, Angular, NodeJS, Spring, TensorFlow, Unity, Docker, Agile, Oracle Database, MySQL, PostgreSQL, DynamoDB, GitLab CI/CD, Azure, Power BI, Excel
Coursework: Data Structure Algorithms, Introduction to Machine Learning, Software Engineering (Agile), Database Management, Machine Learning for Data Science, Information Retrieval, Game Development
Soft Skills: Effective Communication, Adaptability, Team Collaboration, Problem-Solving, Time Management.

Experience

Next Play Games **May 2024 – August 2024**
Project Manager and Web Developer Intern *Remote*

- Led a team of 5 developers to build a baseball website section from scratch using React.js, ensuring accurate implementation of design specifications and delivering a responsive UI.
- Collaborated with designers across 5 product modules to achieve pixel-perfect UI implementation, enhancing user experience.
- Managed project timelines and optimized workflows, increasing team productivity by 20% through efficient development practices.

JP Morgan Chase Co. **October 2022 – December 2022**
Software Developer Virtual Certification *Remote*

- Engineered the integration of open-source code for stock price data feed, improving data visualization speed by 15% and applied JPMC frameworks and tools to display data visually for traders.

Sparks Foundation **May 2019 – August 2019**
Data Science and Business Analytics Intern *Remote*

- Analyzed company's internal data to identify patterns between Hours Studied and Scores, leveraging statistical techniques.
- Developed and implemented a Linear Regression model to predict score outcomes based on study hours. Provided actionable insights, improving data-driven decision-making for performance analysis.

Projects

Stock Search and Trading Web Application **March 2024 – April 2024**

- Developed a full-stack web application using APIs to display stock information, charts, and built-in buy/sell functionalities, resulting in a 25% improvement in user interaction and simulating over 500 stock transactions.
- Integrated a watchlist and portfolio tracking system that improved user stock management efficiency by 30%, allowing users to track and manage over 200 stocks."

SLOW- ARC **December 2023**

- Devised and deployed a foundational softball classification software leveraging Java and software engineering principles,focusing primarily on discerning whether a pitched ball qualifies as a strike or a ball.

Minneapolis Temperature and Crime Analysis **October 2023**

- Established a correlation between temperature and crime by leveraging databases for both variables. Employed Python,SQL, and R to demonstrate that a temperature rise is associated with an increase in criminal activity.

Publications

'An Ensemble of Machine and Deep Learning Models for Real-Time Credit Card Scam Recognition', published in IEEE Explore, accepted at ICECONF and ICCCI-2023.

'Human Activity Recognition Accuracy Identifier using Machine Learning Classifiers', accepted at the International Conference on Data Analytics Management (ICDAM-2023), to be published by ICCET.