



SAKETH REDDY NARAHARI

Seattle, WA

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Education

University of Southern California

Jan 2022 – Dec 2023

Master of Science in Computer Science

Los Angeles, CA

Relevant Coursework: Web Technologies, Machine Learning, Advanced Algorithms, Database Systems, Security Systems

CVR College of Engineering

Aug 2016 – Aug 2020

Bachelor of Science in Computer Science [Dean's Merit List: 2019, 2020]

Hyderabad, India

Relevant Coursework: Web Development, Data Structures, Artificial Intelligence, Linux Programming, Operating Systems

Experience

Amazon.com

May 2024 – Present

Software Development Engineer, Delivery Technology

Seattle, WA

- Designed and implemented Single Sign-On (SSO) authentication for employees in a high-impact Android application, improving security and streamlining access across 800+ Amazon delivery stations globally
- Optimized build processes by migrating core services from ANT to Maven-Gradle, reducing build time by 90% and improving developer productivity. Also performed Java17 Migrations
- Enhanced security by implementing auth-based Signed URLs using AWS S3, AWS KMS, and CloudFront, securing open URLs and enabling controlled access via REST APIs
- Led on-call operations, performing critical debugging and issue resolution to ensure system reliability. Reduced operational load by optimizing workflows and automating repetitive tasks

Amazon.com

May 2023 – Aug 2023

Software Development Engineer Intern, Amazon Search

Seattle, WA

- Developed a Full-stack web application using React.js based frontend and engineered Python's Flask backend showcasing metadata for live Machine Learning Models, enhancing operational efficiency for leadership and applied science teams, reducing debugging time by 90%
- Performed unit testing and integration testing and used Git for version control, also helped in organizing a hackathon

OpenText

Feb 2020 – Aug 2020

SDE Intern, Core Enterprise Systems

Hyderabad, India

- Developed reusable UI components using React JS, TypeScript, JavaScript and SCSS at company's CORE UI Platform.
- Implemented pixel-perfect UX code with SCSS and CSS, designing strategies to enhance Human-Computer Interaction by optimizing user interface elements, improving accessibility, and refining user experience

Technical Skills

Programming Languages: Java, Python, R, JavaScript, TypeScript C, HTML/CSS, SQL

Developer Tools: AWS, Google Cloud Platform, Git, JSON, Jupyter Notebook, Flask, Android Studio

Technologies/Frameworks: ReactJS, Angular, Linux, NodeJS, RESTful APIs, Keras, scikit-learn, TensorFlow

Projects

Events Near Me - Web and Mobile App, like Yelp | *Angular, Python, Android, Flask, GCP*

Dec 2022

- Engineered a responsive web and mobile application enabling users to perform RESTful API based searches for business information, displaying fetched JSON results in card and tabular formats with UI manipulation
- Learned so much of JavaScript/Node.js with Express framework for the backend and used Angular, Python, TypeScript, Bootstrap, HTML, and CSS for the client-side responsive front-end

University Event Management System | *React JS, JavaScript, MongoDB, ExpressJS*

Jan 2020

- Built and deployed a Single Page Web Application (SPA) to streamline university event management, integrating two logins of admin and student for CRUD operations on event management and room bookings
- Implemented registration, email notifications using Angular8, Express JS, MongoDB, Node JS, JavaScript and HTML

Machine Learning for Data Science | *Machine Learning, Transfer Learning, Data Science, Python*

Mar 2023

- Applied transfer learning with Keras and Python to develop robust sport image and video classifier
- Evaluated 5+ ML models and implemented early stopping based on validation metrics, improving performance by 50%

Leadership / Extracurricular

- Google Summer of Code 2019, Codeforces 3* rating, USC Teaching Assistant 2023, AWS Cloud Practitioner Certified
- Founder and President- ECLECTICS-Quiz Club and CVR College Literature and Debate Club
- Interests: Gadgets, WEB3, Volunteering, MUN, Debates, Math, QUIZ Bowl, Scalable and Distributed Systems