

AKASH SANCHETI

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EDUCATION

Northeastern University, Arlington, VA, United States

September 2023 – Present

Master of Science in Computer Science

Expected Graduation: May 2025

Relevant Coursework: **Algorithms, Program Design Paradigm, Fundamentals of Cloud Computing**, Database Management Systems

- GPA: 4.0 / 4.0

Jain University, School of Engineering and Technology, Bangalore, India

August 2016 - June 2020

Bachelor of Technology, Computer Science and Engineering in Mobile Application and Cloud Technology

- Relevant Coursework: Linux Administration, Operating Systems, Principles of Virtualization, Data Structures, Mathematics

SKILLS

Programming Languages: Python, HTML, CSS, Ruby on Rails, Playwright, Clojure, Java, JavaScript, React, C++, SQL, Rust

Tools & Frameworks: Docker, Kubernetes, Git, Grafana, Postman, VSCode, Splunk, Newrelic, Spinnaker, Jira, Flask

Continuous Learning: Amazon Web Services, Cloud Computing, Full Stack Web Development, Software Design

Certifications: AWS Certified Solutions Architect – Associate (In Progress) Expected completion: *September 2024*

EXPERIENCE

Northeastern University, Arlington, VA

May 2024 – June 2024

Teaching Assistant – Fundamentals of Cloud Computing

- Supported 20+ students in understanding cloud computing principles, leading to a 15% increase in overall student performance.
- Conducted weekly office hours and review sessions, enhancing students' practical application of cloud computing concepts through AWS Cloud Academy.

Oracle Cerner, Bangalore, India

March 2021 - November 2022

Software Engineer I

- Contributed to the Healthcare Module team, streamlining reimbursement and baseline cost determination for patient care.
- Actively engaged in Scrum teams, delivering features, and resolving defects through iterative development cycles, ensuring consistent high-quality software output.
- Led test automation efforts with Playwright, expanding test coverage by 30% and significantly reducing manual testing time.
- Identified key successes and challenges in retrospective meetings, recommending improvements that enhanced team efficiency by 15%.
- Engaged in troubleshooting and resolving complex software, ensuring seamless integration and operation of healthcare systems.

Oracle Cerner, Bangalore, India

October 2020 - March 2021

Software Engineer

- Designed and implemented the "Appreciation board" web application, fostering positive interactions within the organization.
- Performed unit testing with JEST achieving 91% test coverage and ensuring robust, maintainable code.
- Collaborated with mentors, leading 5+ demos and standups, which increased project milestone tracking efficiency by 25%.
- Enhanced project documentation, improving accessibility and reducing new contributor onboarding time by 40%.
- Conducted rigorous code reviews, uncovering, and fixing over 10 critical bugs, resulting in a 30% improvement in code quality.

ACADEMIC PROJECTS

TrafficPredictor

May 2024 - June 2024

- Streamlined data preprocessing and visualization techniques, improving the quality of predictions by effectively managing missing values and converting categorical data.
- Leveraged historical data and multiple regression models, boosting the accuracy and reliability of real-time traffic volume forecasts by 20%.

Text Summaries

February 2024 - March 2024

- Optimized user experience with a full-stack application for text summarization via OpenAI's Chat Completions API.
- Incorporated custom personas and adjustable word limits, tailoring user interactions and increasing engagement.

Blood Donation Management System

October 2023 - December 2023

- Architected and carried out a comprehensive blood donation database, integrating frontend and backend components, resulting in a 15% elevation in system efficiency.
- Engineered an intuitive and engaging user interface, resulting in a 25% increase in user engagement and ensuring a seamless overall experience.

LEADERSHIP EXPERIENCE

Arlington Explorers Society, *Founder*

October 2023 – Present

- Orchestrated and budgeted three outdoor events, managing a total of \$500 in funds, resulting in a 30% increase in student participation and engagement on campus.
- Planned and organized a community hike for 25 students, promoting stress relief and building connections.

ACHIEVEMENTS

- **Gold medalist** in the CS-Specialization Department at Jain University recognized for achieving First rank in B.Tech.
- **"Star of the Sprint"** award at Cerner, recognized for outstanding performance and dedication.