

SNEHA GRIAN JOSHUA
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SUMMARY

Software Engineer with strong foundations in data structures, algorithms, and object-oriented design. Experienced in building scalable, fault-tolerant distributed systems and cloud-native services using Java, Python, and AWS. Proven ownership of features across the full development lifecycle, with a focus on performance optimization, reliability, and delivering high-quality software in Agile environments.

EDUCATION

Arizona State University Tempe, USA	January 2024 - December 2025
• Master of Science in Information Technology	GPA: 3.79
• Coursework - Natural Language Processing, Data Visualization and reporting for IT, Analyzing Big Data, Advanced Big Data Analysis and Artificial Intelligence, Adv DB Management Systems, Info Systems Development, Cloud Architecture	
Anna University Chennai, India	August 2018 - April 2022

Bachelor's in computer science and engineering

SKILLS

- **Programming Languages:** Python, Java, JavaScript, Typescript
- **Frontend:** HTML, CSS, Tailwind, React JS, Next JS
- **Frameworks & Libraries:** Spring Boot, Node JS, React Context API, Express, Jest, Redux Toolkit
- **Software & Tools:** MySQL, PostgreSQL, MongoDB, AWS (EC2, IAM, DynamoDB, Lambda, S3), Azure, Linux, Docker, Kubernetes (Foundational), Jenkins, Git, Jira
- **Concepts:** Data Structures & Algorithms, Object-Oriented Design, Distributed Systems, Microservices Architecture, Fault Tolerance, High Availability, Agile & SDLC, CI/CD, DevOps, Networking Fundamentals, Cloud Security Basics, Monitoring & Observability

WORK EXPERIENCE

Software Engineer, FOSSFREAKS Private Limited Chennai, India	November 2022 - December 2023
• Designed, developed, and delivered cloud-ready, full-stack web applications using React.js, Node.js, and Express, contributing to 10+ production client projects across multiple domains.	
• Built scalable, fault-tolerant RESTful APIs using efficient data structures and object-oriented design principles, improving system performance, latency, and reliability.	

Research Intern, EinNel Technologies | Chennai, India **February 2022 - October 2022**

- Optimized Spring Boot microservices in a distributed backend environment, reducing API latency by 30% and improving scalability and responsiveness.
- Designed and implemented asynchronous and reactive REST APIs, increasing backend throughput, fault tolerance, and system resilience.
- Contributed to ML-driven automation initiatives and full-stack bug fixes across React, Java, and PostgreSQL, reducing backend processing time by 25%.
- Collaborated with cross-functional teams to debug production issues, improve system reliability, and support iterative delivery in an Agile development workflow.

ACADEMIC PROJECTS

Budgetron - Personal & Group Financial Management Platform	August 2025
• Collaborated with a team to build a React Native + Express.js application for expense tracking, group payments, and financial goal management.	
• Enabled collaborative expense sharing, automated bank statement imports, and exportable reports (Excel/PDF), reducing manual tracking effort by 40%.	

Cyber bullying Predictive Analysis on Twitter Data | Chennai, India | Team Size: 3 **January 2022 - April 2022**

- Developed a Random Forest-based classification model to detect harmful content, achieving 72.2% accuracy, supported by scalable data preprocessing pipelines.

TRAINING

Summer Intern, Infoziant Systems Pvt. Ltd Chennai, India	June 2019 - July 2019
• Trained in Java, gaining foundational knowledge in object-oriented programming, data structures, and application development.	
SPI Pvt. Ltd Chennai, India	April 2018 - May 2018

- Collaborated on developing a frontend website for a new food product launch and managed the customer experience database.