NIKHIL EGA
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SUMMARY

Information Technology student with a strong foundation in software development, data analysis, and system management. Proficient in multiple programming languages and tools, with hands-on experience in project-based learning and problem-solving.

EDUCATION

- **Master's in Information Technology**   May 2025
  Saint Louis University, Missouri, United States   GPA: 3.76/4

- **Bachelor's in Mechanical Engineering**   June 2022
  Vignana Bharathi Institute of Science and Technology, Telangana, India   CGPA:3.2/4

WORK EXPERIENCE

Software Developer | Calibers Technologies Pvt. Ltd., India, Sept 2022 – June 2023
Developed front-end UI screens using Angular CLI, HTML, CSS, and TypeScript.
• As a Software Developer, I focused on the front end of projects. Wipro used to be a regular source of work for me; they give UI panels and the data needed to populate those screens, and we'd build them based on their specifications.
• Angular CLI is used in my company, and I utilize Visual Studio Code to build code in several programming languages like HTML, CSS, and Typescript.
• Being as a team leader I guided all my co-workers to complete their work. And directed their efforts toward successful project completion.

Alleskonner (Hyderabad, India) | Software Developer Intern, *June 2021 – May 2022*
- Built dynamic UI modules using AngularJS, JavaScript, HTML & CSS, improving user workflows and form validations.
- Defined and consumed RESTful endpoints to power interactive dashboards and client-side data visualizations.
- Contributed to sprint planning, backlog refinement, and retrospective meetings in an Agile environment.

SKILLS

- **Programming:** C, C++, Java, JavaScript, Python, SQL , React, JSP
- **Web Development:** HTML, CSS, TypeScript | **Frameworks**: AngularJS, Node.js, Spring Boot, Hibernate
- **Tools & Platforms**: GitHub, VS Code, Jira, Trello, DBeaver , Eclipse, PyCharm, IntelliJ IDEA CE
- **Data Analysis & Cloud**: Power BI, AWS Cloud Practitioner, Microsoft Azure
- **Design & Engineering:** AutoCAD, Fusion 360, ANSYS
- **Soft Skills:** Communication & Collaboration, Problem-Solving & Critical Thinking, Adaptability & Learning, Leadership & Mentorship, Time-Management & Organization

CERTIFICATIONS

- AWS Certified Cloud Practitioner- Amazon
- Python Full-Stack- (Udemy)
- Full Stack Java, JSP, Hibernate, Spring, Web-services/RestFul API, Spring boot, JavaScript, React - (Udemy)
- HTML & CSS- (SoloLearn)

PROJECTS

Full-Stack Job Portal Website (2025)
- Architected a responsive front-end in React.js, HTML5, and CSS3—featuring dynamic routing, skill- and location-based search filters, and "save job" workflows.
- Built back-end services with Node.js and Express, backed by an SQL database for job listings, user profiles, and application submissions.
- Secured authentication and authorization using AWS Cognito (including SMS 2FA) and implemented serverless business logic with AWS Lambda.
- Automated deployment via a CI/CD pipeline (GitHub Actions → AWS) to ensure zero-downtime releases and scalable infrastructure
- Deployed to AWS using Amplify and GitHub Actions, ensuring zero-downtime releases and scalable infrastructure.

Apple Sales Analysis Dashboard (2024)
- Built end-to-end Power BI dashboards to analyze global Apple device sales—combining bar, line, funnel, and donut charts—to surface regional trends, identify top-performing product lines, and inform quarterly business decisions.

Personal Portfolio Website:
- Designed and developed a mobile-first portfolio using HTML5, CSS3, and vanilla JavaScript. Implemented smooth scrolling, responsive layouts, and dynamic project galleries to showcase work samples and technical case studies.

Marine Propeller Blade Analysis:
- Performed finite-element simulations in ANSYS on CFRP, GFRP, and aluminum propeller blade designs. Compared stress distributions, deflection, and fatigue life under operational loads to recommend the optimal material for durability and performance.

Groundnut Harvester Prototype:
- Engineered and fabricated a mechanical groundnut harvester. Conducted field trials that demonstrated a 40% reduction in manual labor and a 25% increase in daily harvesting capacity, improving overall farm efficiency.

Airbnb Enterprise Architecture Assessment:
- Applied the TOGAF framework to evaluate Airbnb's IT landscape. Identified service redundancies, mapped business capabilities to technology components, and proposed a streamlined microservices migration plan to enhance scalability and reduce operational costs.

Job Market Analysis Dashboard (Power BI):
- Created an interactive Power BI dashboard analyzing recent job postings in Texas and Missouri. Developed skill-based filtering and dynamic visualizations—maps, trend lines, and bar charts—to help users discover roles that match their expertise in real time.