

# Shanmukh Chowdary Morampudi

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## EDUCATION

### Master of Science, Computer Science

University of Florida

Dec 2024

Gainesville, FL

- **Relevant coursework:** Advanced Data Structures, Analysis of Algorithms, Software Engineering, Human Computer Interaction, Distributed Operating Systems, Computer Networks, Computer Information security.

### Bachelor of Technology, Computer Science

Bennett University

May 2023

Delhi, India

## TECHNICAL SKILLS

**Languages/Databases:** C++, Python, C#, JavaScript, TypeScript, HTML, CSS, MySQL, MSSQL, PostgreSQL, NoSQL (MongoDB).

**Frameworks/Technologies:** Angular, React, Redux, Node.js, .NET, Express.js, RESTful APIs, MVC, Entity Framework, Dapper.

**Cloud Services/DevOps:** AWS, Microsoft Azure, CI/CD, Jenkins, Microservices, Git, Docker, Kubernetes.

**Certifications:** AWS Solutions Architect Professional ([SAP-C01](#)), Microsoft Azure Administrator Associate.

## WORK EXPERIENCE

### Software Developer Intern

Superstars, Inc.

Aug 2024 – Dec 2024

Remote, United States

- Improved app scalability and reduced code redundancy by **35%** through the development of reusable **Angular** components leveraging content projection, enhancing code maintainability and enabling more efficient development.
- Rebuilt critical application interfaces using **Angular** components, **TypeScript**, and **CSS**, implementing responsive design patterns and resolving UI-related bugs to improve UI architecture and cross-device compatibility.
- Actively contributed to **Agile development**, attending sprints, implementing tasks, and ensuring timely project progress.

### Full-stack Developer

Indpower (Electrical Services Company)

May 2023 – Jul 2023

Remote, India

- Engineered a portfolio website using **React.js** and **CSS**, boosting client inquiries for an electrical company.
- Implemented serverless contact system using EmailJS and IP rate limiting for secure form submissions with zero backend costs.

### Associate Software Engineer

Osmosys Software Solutions

Jul 2022 – Dec 2022

Hyderabad, India

- Developed scalable APIs in **.NET C#** using layered architecture with **Entity Framework** and **Dapper** for complex data queries.
- Strengthened **MSSQL** database security by implementing parameterized queries and input sanitization with RBAC across 50+ critical operations ensuring secure handling of sensitive policyholder data.
- Developed 15+ **stored procedures** for complex database operations, optimizing data aggregation for insurance claims processing and temporary accommodation matching.
- Developed responsive web applications using **Angular**, **CSS3**, and **TypeScript**, ensuring seamless cross-platform functionality, and optimized page load times through CSS minification and Lazy loading.
- Architected an automated **ETL** process using **Azure Data Factory** and **Azure Functions**, orchestrating seamless ingestion and decryption of PGP-encrypted files from SFTP to Azure Blob Storage, resulting in **30%** faster CSV data loading into SQL.

## PROJECTS

**Twilight** | *Angular, SCSS, TypeScript, Express.js, MySQL, MongoDB, Sequelize* | [Website](#)

Dec 2024

- Developed frontend page using **Angular**, **TypeScript**, and **SCSS** to deliver a robust and visually appealing interface.
- Developed a robust backend using **Express.js**, implementing **30+ RESTful APIs** and designing a **hybrid MySQL-MongoDB** architecture with **Sequelize** ORM to optimize scalability, flexibility, and efficient data management.

**GatorHive** | *React.js, CSS, Node.js, AWS RDS, MySQL, AWS S3, Azure Virtual Machine, Git* | [GitHub](#)

May 2023

- Led the team of 4 for the creation of a web application that streamlines events discovery for University of Florida students.
- Created engaging user interfaces using **React.js** and **CSS**, delivering a seamless user experience.
- Developed backend using **TypeScript** and **Node.js**, integrating with **MySQL** and **AWS S3** for efficient data and image storage.
- Orchestrated successful deployment of the software on **AWS EC2** infrastructure using **PM2**, optimizing uptime and availability.

**DevOps Pipeline** | *Jenkins, AgroCD, Docker, Kubernetes, AWS EKS, Helm*

May 2024

- Engineered CI/CD pipeline with **Git**, **Jenkins**, **Docker**, and **ArgoCD** on **AWS**, implementing automated code quality gates and containerized deployments, reducing deployment time from hours to minutes with zero-downtime releases.
- Orchestrated **Kubernetes** deployments on **EKS** with **Helm** and **ArgoCD**, enabling automated infrastructure across environments.

## ACHIEVEMENTS

- "For Her" Project: Recognized as one of the best projects of the semester and shortlisted for the Industrial Project Expo.
- Awarded the Bennett Dean's List Scholarship as one of 11 recipients from over 500 students for outstanding academics.