

# P Venkata Sri Nag

venkatasrinag\_polu@srmap.edu.in | +91-9440804399 | Andhra Pradesh, India-522236 | [LinkedIn](#) | [GitHub](#)

Self-motivated Computer Science undergraduate with strong foundations in data structures, algorithms, and systems programming. Experienced in building scalable web applications and machine learning models. Adept in Java, Python, and full-stack development using React.js and PostgreSQL. Passionate about solving complex problems and creating impactful technology. Actively exploring distributed systems and AI.

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## Education

### SRM University, Andhra Pradesh

Expected: 2026

Bachelor of Technology in Computer Science and Engineering

*Specialization: Artificial Intelligence and Machine Learning*

GPA: 7.8/10

**Relevant Coursework:** DSA, OS, ML, Deep Learning, DIP, Soft Computing, CN, DBMS, OOPS.

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## Technical Skills

**Languages:** Java, Python, JavaScript

**Frameworks:** React.js, Node.js, Express.js, Tailwind CSS

**Databases:** MongoDB, PostgreSQL, MySQL

**Tools:** AWS, Git, GitHub, Linux, NPM, Postman, Google Colab

**Soft Skills:** Communication, Leadership, Adaptability, Critical Thinking

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## Experience

### Java Full Stack Intern – Edubot

06/2024 – 08/2024

Engineered scalable backend modules for a Library Management System using Java, Servlets, and PostgreSQL.

Designed and implemented dynamic React dashboards to improve data accessibility and user experience.

Reduced database query time by 70% through indexing and optimized SQL query structures.

### Software Development Intern – Codeunia

07/2025 – 08/2025

Developing a scalable doctor appointment system using MERN stack technologies.

Implementing JWT authentication, role-based routing, and MongoDB schemas.

Focused on frontend UI with Tailwind CSS and context-based state management.

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## Projects

### MediConnect – Doctor Appointment System

[GitHub: MediConnect](#) Building a MERN-based platform to streamline doctor-patient appointments.

Designed role-based dashboards (Admin, Doctor, Patient), JWT authentication, and time-slot booking.

UI crafted with React.js and Tailwind CSS, backend deploying with Node and Express.

### Handwritten Text Recognition using CNN

[GitHub: CNN Recognition](#) Built a deep learning model with TensorFlow/Keras to recognize English uppercase characters.

Achieved 98% accuracy on the A-Z Handwritten Character dataset with preprocessing and augmentation.

Implemented a full DL pipeline including training, evaluation, and 'h5' model deployment for inference.

### Title.ai – NLP-Based Blog Title Generator

[GitHub: Title.ai](#) Created an NLP tool that auto-generates SEO-friendly blog titles using BERT and keyword extraction.

Integrated a Streamlit-based UI for user input and real-time title generation.

Delivered end-to-end NLP automation using Streamlit, reducing blog title curation time by 80%.

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## Certifications

- AWS Fundamentals – [Coursera](#)
- AWS Cloud Quest: Cloud Practitioner – [Cloud Quest](#)
- Introduction to Generative AI - [Generative AI](#)

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## Achievements & Activities

- Smart India Hackathon 2024 – SRM AP: Top 10 finalist from college
- Member, Coding Club – SRM AP: Participated in coding challenges and events
- Volunteer – Research Day, SRM AP: Supported technical coordination