

K SAI SURYA SUBHASH

Visakhapatnam, Andhra Pradesh

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Education

GITAM University <i>B.Tech in Computer Science Engineering</i>	2022 – Present <i>Visakhapatnam, Andhra Pradesh</i>
Ascent Jr College <i>Intermediate MPC</i>	2020 – 2022 <i>Visakhapatnam, Andhra Pradesh</i>
Siva Sivani Public School <i>7th–10th (ICSE)</i>	2016 – 2020 <i>Visakhapatnam, Andhra Pradesh</i>

Skills

- Languages/Frameworks:** Python, Java, JavaScript, C, React.js, Express.js, Django, HTML, CSS
Databases: MongoDB, MySQL, PostgreSQL
Data Science & Tools: Pandas, NumPy, Matplotlib, TensorFlow, Scikit-learn, Jupyter
Testing & QA Tools: Familiar with Postman
Cloud: Git, AWS (Amazon Web Services)
Soft Skills: Good Communication, Problem-solving, Adaptability, Time management

Internship Experience

Python Foundation Intern <i>Finsol Consultancy</i>	Jun 2025 – Jul 2025
<ul style="list-style-type: none">Architected a role-based user management system in Django, cutting admin processing time by 30%.Produced detailed technical documentation and enforced process adherence.Strengthened session handling, reducing unauthorized access incidents by 90%.Enhanced scalability by 3x through optimized queries, caching strategies, and automated testing.	
AI/ML Intern <i>EduNet by AICTE</i>	Apr 2025 – May 2025

AI/ML Intern
EduNet by AICTE

- Engineered **fraud detection models** for credit card transactions, improving investigative accuracy by 92%.
- Reduced false positives by 18% through advanced feature engineering and model validation.
- Applied **data preprocessing, model tuning, and validation** using Python, Scikit-learn, and Pandas.
- Delivered insights that enabled stakeholders to mitigate financial risks effectively.

Web Development Intern

Web Development Intern
Infosys Springboard

- Launched a **health-tracking app** (React.js, Express.js, MongoDB), increasing student engagement by 30%.
- Accelerated page performance by 45% using optimized queries and API tuning.
- Enhanced **UI/UX with responsive design**, boosting client satisfaction by 40%.
- Worked in an agile team, adhering to version control best practices.

Projects

Handwritten Digit Recognition (MNIST) Python, TensorFlow, Keras	Aug 2025
<ul style="list-style-type: none">Currently developing a CNN to classify digits from MNIST dataset with target accuracy of 98%.Constructing layers (Convolution, Pooling, Dense, Softmax) in TensorFlow/Keras.Testing hyperparameters, optimizers, and dropout layers to minimize overfitting.Planning to visualize predictions and misclassifications for deeper insights.	
Lost and Found Website (FoundIT) MERN Stack	Feb 2025 – Mar 2025

Lost and Found Website (FoundIT) | MERN Stack

- Deployed a secure portal for 100+ students with **JWT authentication and OTP validation**.
- Accelerated issue resolution by 50% and student participation by 30%.
- Designed MongoDB schemas and implemented REST APIs for smooth frontend-backend communication.
- Executed unit and integration testing, ensuring 100% data privacy compliance.

Speech-to-Text & Text-to-Speech Converter | Python, Google API

- Designed a bi-directional speech-text converter, improving accessibility for differently-abled users by 35%.
- Leveraged **Google Speech API** for reliable transcription with 95% accuracy.
- Integrated a user-friendly interface with error handling and validation.