

# K SAI SURYA SUBHASH

Visakhapatnam, Andhra Pradesh

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## Education

<b>GITAM University</b> <i>B.Sc. in Computer Science Engineering</i>	<b>2022 – Present</b> <i>Visakhapatnam, Andhra Pradesh</i>
<b>Ascent Jr College</b> <i>Intermediate</i>	<b>2020 – 2022</b> <i>Visakhapatnam, Andhra Pradesh</i>
<b>Siva Sivani Public School</b> <i>7th–10th (ICSE)</i>	<b>2016 – 2020</b> <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 Selenium, Postman, Jenkins (basic knowledge), Unit Testing, Integration Testing  
**Cloud/DevOps:** Git, AWS (Amazon Web Services)  
**Soft Skills:** Data-driven decision making, process improvement, client engagement, risk assessment, agile teamwork

## Internship Experience

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

**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

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

**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

**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.