# ANEESH MADA

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## CAREER OBJECTIVE

Recent B.Tech graduate in Computer Science & Engineering (AI & Data Science) with a strong foundation in Python, machine learning, cloud computing, and data engineering. Completed coursework and projects in AI, data analysis, cloud infrastructure, and automation. Eager to leverage analytical abilities to develop scalable and efficient software solutions and achieve impactful innovation in a dynamic technology-driven environment.

## INTERNSHIP EXPERIENCE

**AI Intern** – Plasmid *Jun 2024 – Aug 2024*

- Built and optimized machine learning models using Python.
- Developed an optimized KNN-based solution for unstructured Twitter data.
- Performed data cleaning, feature engineering, EDA, and visualization.
- Used Git for version control and followed structured documentation practices.
- Leveraged AI tools for coding, debugging, and model evaluation, enhancing development efficiency and accuracy in real-world data scenarios.
- Collaborated on problem-solving tasks within a team environment to improve model outcomes and data processing workflows.
- Demonstrated strong time management by balancing multiple project responsibilities and delivering all components on schedule during the internship.

## EDUCATION

**Shanmugha Arts, Science, Technology & Research Academy (SASTRA)** *Jun 2026*

*B.Tech – Computer Science & Engineering (AI & Data Science)*

CGPA: 7.49/10

*CBSE Class XII – 74% (2022)*

*CBSE Class X – 90% (2020)*

## LEADERSHIP & EXTRA-CURRICULAR ACTIVITIES

**Head of Workshops Team** – DAKSH Technical Fest

- Led planning, coordination, and technical sessions.
- Collaborated as a team to perform in local competitions, contributing to event preparation and execution.

**Member** – Drone Club

- Exposure to FreeCAD to build simple drone designs.

**Member** – English Literary Club

- Participated actively in public speaking, debates, skits, and comedy shows, enhancing communication and presentation skills.
- Collaborated as a team to perform in local competitions, contributing to event preparation and execution.

## CERTIFICATIONS

**Artificial Intelligence & Machine Learning** – Udemy

**Neural Networks & Deep Learning** – Udemy

## TECHNICAL SKILLS

Python, SQL, R, JavaScript, Regression, Classification, Clustering, KNN, Time Series Analysis, EDA, Pandas, NumPy, Scikit-learn, OpenCV, Matplotlib, AWS, Azure, Infrastructure as Code, CI/CD, DevSecOps, MySQL

**Programming**: Python, SQL, R, JavaScript

**Data Science & ML**: Regression, Classification, Clustering, KNN, Time Series Analysis, EDA

**Libraries**: Pandas, NumPy, Scikit-learn, OpenCV, Matplotlib

**Cloud & DevOps**: AWS, Azure, CI/CD

**Databases**: MySQL

## PROJECTS

### Geospatial Coastal Erosion Analysis

*Jan 2004 – Jan 2024*

- Designed an end-to-end automated data pipeline for shoreline change detection using multi-temporal Landsat imagery.
- Implemented NDWI, Canny Edge Detection, and U-Net segmentation for shoreline extraction.
- Calculated erosion/accretion rates using EPR, LRR, and WLR statistical methods.
- Developed scalable and reproducible data preprocessing and analysis workflows in Python, enabling efficient monitoring of shoreline changes over time.
- Developed a full-stack website to present geospatial data analysis findings, using JavaScript for both frontend and backend, and MongoDB for data storage, enhancing accessibility and personal portfolio presentation.

### IPO Success Predictor

- Developed ML models to predict IPO performance within six months.
- Engineered financial and sentiment-based features and performed EDA.
- Built a simple analytics dashboard for business insights.
- Applied adaptability in multidisciplinary teamwork by aligning technical contributions with evolving project requirements in the Drone Club.
- Created multiple small full-stack applications including inventory management, student database management, and shopping cart systems using React.js and Node.js, demonstrating practical experience in frontend and backend development.

### Sense-Pak - Intelligent Smart Shopping Trolley

- Built a sensor-driven smart retail system automating billing and inventory updates.
- Implemented real-time cost calculation and SMS-based UPI checkout.
- Automated inventory deduction and transaction notification workflows.
- Relevant to Tata Power: Automation, system integration, real-time data processing.
- Presented project ideas and technical concepts formally to professors and guides, receiving feedback and refining deliverables through clear and concise communication.

### Inventory Management

- Developed a full-stack inventory management application demonstrating skills in frontend and backend development using React.js, Node.js, and database technologies.
- Implemented username and password authentication along with real-time database maintenance supporting multiple user access.
- Used CSS and React.js to create an intuitive and responsive frontend interface, utilizing React Router and hooks such as useState and useEffect for simplification and improved user experience.
- Created and maintained product databases using MongoDB for inventory management and Sense-Pak projects, demonstrating practical NoSQL database experience.

## LANGUAGES

English (Fluent), Telugu (Fluent), Hindi (Fluent), Tamil (Basic)