

APPALA NAGENDRA VARMA

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SUMMARY

Aspiring Software Engineer and Data Analyst skilled in Python, SQL, backend development, data analytics, and AI-powered applications. Experienced in building full-stack applications, REST APIs, dashboards, and machine learning solutions using FastAPI, React.js, Scikit-learn, and PostgreSQL, with strong problem-solving and cloud fundamentals.

EDUCATION

Bachelor of Technology – Computer Science Engineering | 2022–2026

Swarnandhra College of Engineering & Technology, Narsapur

CGPA: 8.10/10

TECHNICAL SKILLS

- **Programming & Querying:** Python, SQL, JavaScript, HTML, CSS
- **Data Analytics & Processing:** Pandas, NumPy, Data Cleaning, Exploratory Data Analysis (EDA)
- **Data Visualization & Dashboards:** Matplotlib, Seaborn, Streamlit, Power BI – Basic
- **Machine Learning & AI:** Scikit-learn, Machine Learning, Statistical Analysis
- **Backend & APIs:** Flask, FastAPI, REST APIs
- **Frameworks:** React.js, Node.js
- **Databases & Data Management:** PostgreSQL, MySQL, MongoDB, Data Modeling
- **Tools & Collaboration:** Jupyter Notebook, Git, VS Code, GitHub Actions – CI/CD, Linux
- **Cloud & Deployment:** AWS – EC2, IAM & S3 Basics
- **Concepts:** Data Structures & Algorithms, OOP, Data Pipelines

EXPERIENCE

Generative AI Intern – NIVUNA Labs Sep 2025 – Mar 2026

- Developed and supported Generative AI-powered applications using Python, REST APIs, and automation workflows.
- Contributed to backend development, debugging, and performance optimization for scalable AI-driven solutions.
- Integrated APIs and automated processes to enhance system efficiency and streamline application workflows.
- Collaborated on cloud deployment practices and scalable software architecture for production-ready applications.

PROJECTS

Smart City Voice Assistant | *Python, FastAPI, Streamlit, Google Gemini, Pandas, Scikit-learn*

- Built an AI-powered platform for urban governance using FastAPI and Streamlit with real-time analytics.
- Designed APIs for processing data related to forecasting and user feedback with scalable architecture.
- Implemented ML-based forecasting and integrated Gemini LLM for predictive decision-making insights.

Email Spam & Fake Message Detection | *Python, Scikit-learn, Pandas, NLTK*

- Built a machine learning model to classify spam messages using NLP techniques with high prediction accuracy.
- Performed data preprocessing, feature extraction, and model evaluation for improved performance metrics.
- Analyzed messaging patterns and optimized prediction accuracy using Scikit-learn classification models.

Task Management System | *React.js, FastAPI, SQLite, Python*

- Built a scalable collaborative real-time full-stack task management and collaboration application.
- Implemented secure role-based user login and signup using JWT authentication.
- Developed scalable RESTful APIs for seamless task creation, updating, and deletion.

ACHIEVEMENTS

- Winner – AI/ML Technical Presentation Competition
- HackerRank – 3 Star Python
- NSS Volunteer

CERTIFICATIONS

- Python – Infosys
- AWS Solutions Architecture Simulation
- Deloitte Australia – Data Analytics Job Simulation
- Data Analytics with Python by NPTEL – Elite
- SQL and Relational Databases 101 – IBM Cognitive Class