

Rajana Durga Pavan Kumar

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Career Summary

Third-year B.Tech undergraduate specialising in Artificial Intelligence & Machine Learning at SOA University with hands-on experience building scalable AI systems. Completed Microsoft Azure Internship (AICTE Elevate) and AI/ML Internship at InternPro, delivering data-driven solutions and predictive models. Proficient in Python, Java, SQL, Machine Learning, Deep Learning, NLP, and Generative AI, with cloud expertise in Azure and Google Cloud. Neo4j Certified Professional with 5+ years of leadership experience through NCC and national-level technical communities.

Education

Siksha 'O' Anusandhan (SOA), Bhubaneswar <i>B.Tech in Computer Science and Engineering (AI & ML)</i>	2023 – 2027 <i>CGPA: 07/10</i>
Kendriya Vidyalaya No-3, Bhubaneswar <i>Senior Secondary (Class XII) – Science (CBSE)</i>	2023 – 2027 <i>Percentage: 70 %</i>
Siksha 'O' Anusandhan (SOA), Bhubaneswar <i>Secondary (Class X) – CBSE</i>	2023 – 2027 <i>Percentage: 87 %</i>

Technical Skills

- Programming Languages:** Python, Java, SQL, JavaScript (basic)
- AI / Machine Learning:** Supervised & Unsupervised Learning, Deep Learning, NLP, Computer Vision, Generative AI, LLMs, Prompt Engineering, RAG (Retrieval-Augmented Generation), Fine-Tuning
- Frameworks & Libraries:** TensorFlow, PyTorch, Scikit-learn, Hugging Face Transformers, LangChain, Pandas, NumPy, Matplotlib, Seaborn
- Cloud Platforms:** Microsoft Azure (AZ-900 level), Google Cloud Platform (GCP), Azure AI Services, Azure Machine Learning Studio
- Tools & Technologies:** Git, GitHub, Jupyter Notebook, Streamlit, FastAPI, Docker (basic), Neo4j, VS Code
- Data & Analytics:** Data Preprocessing, Feature Engineering, EDA, Statistical Analysis, Data Visualisation
- Core Computer Science:** Data Structures & Algorithms, Object-Oriented Programming, Database Management Systems

Internship Experience

Azure Intern – Microsoft Elevate (AICTE) Jan 2026 – Feb 2026
Microsoft, India (Remote)

- Selected among top candidates for a competitive Microsoft Azure internship programme sponsored by AICTE
- Engineered cloud-based solutions using Azure services, completing **10+ hands-on modules** covering compute, storage, and AI
- Delivered a scalable cloud project improving deployment efficiency and reducing provisioning time
- Collaborated in mentor-led sessions to strengthen cloud architecture design and problem-solving skills

AI/ML Intern Jun 2025 – Aug 2025
InternPro (Remote)

- Architected a real estate price prediction model achieving **85%+ accuracy** using regression and ensemble methods
- Executed full ML lifecycle: data collection, preprocessing, feature engineering, model training, and evaluation
- Analysed datasets with **10,000+ records** to extract actionable business insights using Python and Pandas
- Optimised model performance through hyperparameter tuning with GridSearchCV and cross-validation

Projects

AGORA – Digital Governance Platform
Python | Machine Learning | Data Analytics | Streamlit

- Engineered an AI-driven governance platform that improved decision-making efficiency by **30%**
- Designed and trained ML models on governance datasets, improving prediction reliability and transparency
- Optimised data pipelines reducing processing time by **25%** through vectorisation and batch processing

IRA – Intelligent Resource Architecture

Full Stack / Python / 3D Visualisation / Data Analytics

- Developed a full-stack AI system integrating 3D visualisation and predictive analytics for urban planning
- Engineered backend systems capable of handling **5,000+ urban data points** in real time with low latency
- Improved resource allocation efficiency by **35%** through intelligent scheduling algorithms

AI Resume Screening System

Python / NLP / Scikit-learn / Hugging Face Transformers

- Developed an NLP-based resume screening system reducing manual HR effort by **60%**
- Implemented TF-IDF and transformer-based ranking algorithms to improve candidate selection accuracy
- Built keyword extraction pipeline to match candidate profiles against job descriptions automatically

Certifications

- Neo4j Certified Professional – Neo4j
- Machine Learning – IBM (Coursera)
- Introduction to Artificial Intelligence – NPTEL
- Deep Learning Fundamentals – IBM / Coursera
- Python for Data Science – IBM / Coursera
- Generative AI Academy – Google / Partner Programme
- Deloitte Technology Job Simulation – Forage
- Tata Cybersecurity Analyst Job Simulation – Forage
- CeNSE Winter School – IISc Bangalore
- Cloud Community Day – Google Developer Groups

Awards & Achievements

- **Rajya Puraskar Awardee** – Bharat Scouts & Guides (State-level recognition)
- **NCC Sergeant** – National Cadet Corps, SOA University
- **Selected for Microsoft Elevate Internship** – Competitive AICTE programme (Top candidates nationally)

Extracurricular Activities

- **Design Lead** – Google Developer Groups (GDG) on Campus ITER
- **Social Media Planner** – Coding Ninjas Campus Chapter
- **Rover** – Bharat Scouts & Guides
- **NCC Sergeant** – SOA University (5+ years leadership)
- **Active Contributor** – GDG Cloud and Nyrma Open Source Community