SWARUP KUMAR PATRO

+91 6370164003 ◇ Berhampur, Odisha

swaruppatro2@gmail.com ◇ linkedin.com/in/swarupkp ◇ github.com/swaruppatro

SUMMARY

Versatile and curious developer with a solid foundation in programming, databases, and core computer science principles. Passionate about Machine Learning and Full Stack Development. Eager to explore new technologies and continuously improve through hands-on learning. Collaborative by nature and committed to delivering practical and reliable solutions.

EDUCATION

Bachelor of Technology in Information Technology, NIST University, Berhampur — 2022 – Present
CGPA: 8.92/10

Senior Secondary Examination (ISC), De Paul School, Berhampur — June 2022
Percentage: 87.20%

Matriculation (ICSE), De Paul School, Berhampur — June 2020
Percentage: 85.33%

SKILLS

Languages	Java, Python, C, HTML, CSS, JavaScript
Web Development	Angular, Java Spring Boot, MySQL
Data	SQL, MS Excel, Tableau, Power BI, Matplotlib, Seaborn
CS Fundamentals	Operating Systems, Computer Networks, DBMS

PROJECTS

Plant Disease Prediction Analysis — May 2024
Tech Stack: Python, CNN, OpenCV, Deep Learning
Developed a system to identify plant diseases from leaf images using convolutional neural networks. Implemented image preprocessing, feature extraction, and deployed a model with a user-friendly interface.

End-to-End Cricket Data Analytics — April 2025
Tech Stack: Python, Pandas, Power BI, Web Scraping
Collected live cricket match data via web scraping, cleaned and analyzed it using Pandas, and built interactive dashboards in Power BI to visualize player and team performance trends.

EXPERIENCE

Intern – Database Management System — May 2025 – June 2025
Rashtriya Ispat Nigam Limited (Vizag Steel Plant), Visakhapatnam

- Executed 30+ SQL queries on large datasets, improving data extraction time by 35% for internal IT analysis.
- Analyzed and documented relational operations to support ERP module updates and reduce query error rate by 20%.

ACHIEVEMENTS

- Achieved Elite status in NPTEL "Demystifying Networking" — Aug 2023
- Silver Medal in NPTEL "The Joy of Computing Using Python" — Oct 2023
- Finalist in Hack-Arena (National Level Hackathon) — Nov 2024
- Completed Deloitte Australia Data Analytics Job Simulation on Forage — July 2025