

PRATIK PANDA

+91 8917276340 ♦ India

pratik.panda119@gmail.com ♦ [Linkedin](#)

EDUCATION

Bachelor of Technology, Computer Science, Vellore Institute of Technology Expected 2024
Relevant Coursework: DSA, OS, ML and DBMS.
Present CGPA: 8.57

AISSCE, DAV Public School, Bhubaneswar 2018 - 2020
Coursework: Physics, Chemistry, Mathematics, Computer Science
Final Grade: 94.4%

SKILLS

Technical Skills Full-Stack Development, DevOps, Cloud Deployments and Architecture
Soft Skills Leadership, Communication, Teamwork, Critical-Thinking
Certifications AWS Certified Solutions Architect – Associate (923/1000)

EXPERIENCE

Academic Intern Dec 2022 - Jan 2023
National University of Singapore *Singapore*

- Interned in the Computing department of NUS for 3 weeks, working in the field of Deep Learning and Big Data Analytics.
- Implemented various Text Mining techniques such as Text-based Sentiment Analysis using RapidMiner
- Led a project team during the course of the internship on a Deep Learning project which was deployed in a web application. Final iteration was judged by a panel of NUS faculty.
- Received a Letter of Evaluation from NUS with A+ grade for academic performance.

Student Intern Dec 2022 - Jan 2023
Hewlett-Packard Education *Singapore*

- Worked with various Data Analytics tools and Cloud Computing tools. Used Microsoft Azure and its services such as Azure Databricks, PySpark, Synapse Analytics, BLOB Storage as well as native analytics tools such as Microsoft Excel and Pivot Tables to do analytical operations on various big datasets.
- Leveraged different Azure Services for batch processing of big streaming data.
- Received a Letter Of Recommendation from Hewlett-Packard regarding my performance. My performance was judged to be Excellent.

PROJECTS

Orthopaedic Abnormality Detection using Deep Learning Built a Deep Learning Model which can detect abnormalities from X-Ray images with high accuracy and deployed this model in an application hosted using Azure Web Services. This project was judged by faculty from the Computing Department of NUS. ([Repository](#))

Time-Table Generator Developed an application which generates a suitable timetable using a Genetic Algorithm. The application accepts the required constraints from the user and generates a timetable. The application will be deployed on Android and iOS. Software Engineering paradigms were followed strictly during development. ([Repository](#))

Datafly Algorithm in Python Built an implementation of the Datafly Algorithm used for achieving [k-anonymity](#) on sensitive datasets using Python. The working of the algorithm was first given by L. Sweeney in her groundbreaking [whitepaper](#) in 2002. ([Repository](#))

Encryption of speech audio using AES and ECC Comparison based study on how real-time encryption affects the quality and other metrics of sound files. Different encryption systems and key sizes are compared on the basis of key metrics such as Signal-to-noise ratio (SNR). Used Python and Jupyter Notebook to run the comparisons. ([Repository](#))

Blackjack on the Blockchain Used blockchain technology to create a platform where cryptocurrencies can be used to play Blackjack. The smart contract written is publicly accessible this providing players with confidence in the process. The application is deployed using web3 and can be accessed using MetaMask.

Web authentication using JSON Web Tokens Created a backend system for easier logins by using JSON Web Tokens instead of using standard cookies. This feature can be implemented in any web application for better login security.

EXTRA-CURRICULAR ACTIVITIES

- Core Committee Member of **Youth Red Cross, VIT Chapter**. Responsibilities have included conducting awareness events, and coordinating blood donation camps.