NAVDEEP RANDHAWA

Address: 169 Springfield Rd, Blackburn North • **Mobile:** 0402571823
Email: navdeeprandhawa0001@gmail.com • **LinkedIn: Link**

CAREER PROFILE

Final year Bachelor of Computer Science student with interest and experience in Data science and Machine Learning with primary aim to work in field of Data Science and Backend Development. Project based experience via different units of university study in field of Data science, C++ and C# programming, Machine Learning, and leveraging tools and devices like Arduino, Raspberry Pi, and motion and light sensors.

EDUCATION

Bachelor of Computer Science (S306)

Deakin University, Melbourne March 2019 - March 2022

- WAM: 84 (18 HD's out of 22 units).
- Majors Units: Advanced Algorithms (SIT 320), Data Mining and Machine Learning (SIT 307), Artificial and Computational Intelligence (SIT 215), Data Science Concepts (SIT 112).

ISC Certificate

Doon Presidency School, Dehradun April 2015 - April 2017

- Overall Grade: HD (91% WAM).
- Major Units: Physics, Chemistry, Mathematics and Computer Science.

TECHNICAL SKILLS

- Programming Languages: C#, C++, Python, and JavaScript.
- Databases: SQL and NoSQL.
- Data Scrapping using Python from API's.
- Front End Skills: HTML and CSS.
- Backend Skills: Node JS, Django and ASP.NET.
- Machine Learning: Scikit-Learn and TensorFlow.
- Mathematics: Calculus and Statistics.

SOFT SKILLS

- Strong Communication Skills.
- Punctuality.
- Teamwork and Leadership.

PROJECTS

Smart Security Surveillance June 2020

- Devices Used: Raspberry Pi, Arduino, Raspberry Pi Camera, and Argon.
- Machine Learning: Face Recognition System.
- Link to Project Deliverables: https://github.com/RANN1D1901/Project_SIT210 .
- Link to Project Demonstration: https://www.youtube.com/watch?v=k-CFK4rMBjc .

Melbourne Housing Market Prices Analysis and Predictions June 2021

- Tools used for analysis of data: Pandas, NumPy, Matplotlib, and Seaborn.
- Tools used for Predictions: Sklearn and TensorFlow.
- Link to Project Deliverables for Analysis: https://github.com/RANN1D1901/MachineLearning/tree/main/Project1 .
- Link to Project Deliverables for Predictions: https://github.com/RANN1D1901/MachineLearning/tree/main/Project2 .

BlockChain Research Project October 2021

- Research Project on BlockChain Technology.
- Topics Covered: Consensus Algorithms, Hashing Algorithms, Merkle Tree.
- Link to the Deliverables: https://github.com/RANN1D1901/ResearchBlockChain .

EXPERIENCE

Deakin Launchpad, Melbourne, Victoria July 2021 - September 2021

Software Engineering Intern

- Collaborated with another Intern and team lead on a Blockchain project via Hyperledger Fabric, built a custom network for blockchain, deployed chaincodes on nodes.
- Developed a framework to generate Non-Fungible Tokens in network along with team members.
- Performed research on methods to build custom network from scratch and pros and cons of various platforms for building NFT marketplace.

Oporto, Melbourne, Victoria June 2019 - July 2021

Team Member

- Embedded in team environment to ensure smooth operating of the store.
- Ensuring customer satisfaction by delivering desired product in form of good food in specific time with good customer service.
- Promoted to Crew trainer and Shift Supervisor within 1 year of work.

K7Computing LTD, Chennai, India November 2020 - December 2020

Cybersecurity Analyst Intern

- Launched DOS and MIM attacks using the virtual machines with Kali Linux as an attacking machine and saved traffic data of network, tools used were virtual machines and Wireshark.
- Analyzed data to identify type of attack from patterns in logged data.
- Analyzed files using python and visualized the results to better understand nature and details of attacks automatically with a script.
- Completed workshop on Supervised and Unsupervised Machine Learning topics, received certification from VIT University, Chennai.

REFEREES

- Available upon request.