

ABHINAV SINGH

I'm a self-motivated, creative technology enthusiast with more than three years of experience in the IT industry, specializing in software development, artificial intelligence, and machine learning with a keen interest in cognitive technologies.

abhinav_singh95@hotmail.com ✉

0474766857 📞

Melbourne, Australia 📍

linkedin.com/in/abhinav-singh-9072 🌐

github.com/AbhinavSingh95 🐙

EDUCATION

Master of Information Technology The University of Melbourne

02/2019 - 01/2021

84%

WORK EXPERIENCE

Software Engineer(Data) Servian

10/2021 - Present

Melbourne

Achievements/Tasks

- Involved in the E2E ML App Development pipeline from Prototyping to POC to Model Building, Deployment, Monitoring, and Maintenance
- Diversity of projects allowed me to work with a bit of everything including Software Development, Architecture, DevOps, Application Programming, Cloud Engineering

AI Engineer 6Clicks

02/2021 - 10/2021

Melbourne

Achievements/Tasks

- Designed and developed AI-powered analytics and automation solutions by working with cyber security experts to model domain problems and train a range of NLP models
- Architected model deployment on different Azure environments (Virtual Machines, Azure Functions), monitoring, and scaling them to production loads
- Extended product capabilities using open-source integrations
- Researching new use cases and building proof of concepts

Consultant Deloitte

10/2018 - 01/2019

Bengaluru

Cyber Risk

Achievements/Tasks

- Instrumental in forming the machine learning team for Deloitte's cyber risk practice by training colleagues through sessions aimed at broadening and enriching their knowledge of machine learning.

Associate Consultant EY

08/2016 - 09/2018

Bengaluru

Advisory

Responsibility/Task

- Providing analysis, design, and development of automation solutions into production. Assisting clients with setup and scaling of enterprise-wide robotics CoE. Solutions delivered using Blue Prism and Ui Path across a variety of industries and verticals such as Supply chain, banking, asset, HR, accounts, and management.

SKILLS & COMPETENCIES

Java Python Docker Kubernetes

Terraform CI/CD Machine Learning

Microservices Elastic Search SQL

NoSQL NLP Azure AWS

PROJECTS

Intelligent Fraud Detection (10/2021 - Present)

- Working on developing an end to end **MLOps** pipeline which will automate the entire fraud detection system of one of the largest banks in Australia
- Important stages in the ML pipeline are **data ingestion, feature engineering, model training, scoring and predicting**

Risk Pulse (05/2021 - 10/2021)

- Designed and developed a risk feed for displaying all the vulnerabilities associated with the infrastructure used in cloud deployment
- The tech stack of the project included **Python, JavaScript, Graph QL, Neo4j**, and the solution was deployed on **Azure**

Search with Intelligence (02/2021 - 04/2021)

- Designed and developed an **elastic search** solution with **AI enrichment** to cater to the contextual importance of the information stored. A trained model was used to generate the **embeddings** at the time of indexing, and the results were ranked based on the **cosine similarity** between the embeddings of the query and text

HONORS & AWARDS

Melbourne School of Engineering Scholarship (03/2019)

Received Melbourne School of Engineering scholarship for exceptional academic performance

Exceptional Client Service (07/2018)

Awarded exceptional client service award by EY for demonstrating exceptional client serving skills

Extra Miler (01/2018)

Awarded extra miler by EY for demonstrating professionalism, technical and consistent communication skills

Department Topper (10/2016)

Secured silver medal for an exceptional academic performance from 2012 to 2016

Performance Based Scholarship Award (01/2013 - 12/2015)

Issued a Performance Based Scholarship Award for an exceptional academic performance in the year 2013-2014 and 2014-2015