ABHINAV K SINGH
SENIOR ML ENGINEER

abhinavsingh.dev
abhinav@abhinavsingh.dev
Melbourne, Australia
+61474766857

SUMMARY

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

EXPERIENCE

03/2022 – present

WOOLIESX – MELBOURNE
Senior ML Engineer

- As a Machine Learning Engineer at WooliesX, I engineered and optimized machine learning models to enhance offer allocation based on detailed customer purchase history and behavioral patterns, resulting in significant incremental sales and improved customer engagement.
- I leveraged advanced MLOps practices, employing tools such as Python, PyTorch, Kubernetes (K8s), Docker, and MLflow to build, deploy, and scale sophisticated algorithms. This approach ensured robust, efficient, and reliable execution of marketing strategies.
- By harnessing cutting-edge algorithms and data insights, I transformed marketing strategies, driving targeted campaigns and personalized customer experiences that significantly boosted engagement and overall effectiveness.

10/2021 – 03/2022

SERVIAN – MELBOURNE
ML Engineer

- Designed end-to-end machine learning pipelines, leveraging Python, scikit-learn, TensorFlow, and PyTorch to develop and deploy scalable models.
- Collaborated with data scientists to translate complex requirements into efficient solutions and implemented robust data infrastructures for seamless model integration into production.
- I actively explored emerging technologies, contributing to Servian's culture of innovation in data-driven solutions.

02/2021 – 10/2021

6CLICKS – MELBOURNE
AI Engineer

- As an AI Engineer at 6Clicks, I was instrumental in developing and enhancing the Hailey AI Engine, a cornerstone of the company's innovative GRC platform.
- Leveraged advanced Machine Learning (ML) and Natural Language Processing (NLP) techniques to design and develop this pioneering AI engine, resulting in comprehensive AI-driven tools that automate routine GRC processes, generate actionable insights, and foster resilient, adaptive risk and compliance programs.
- Working within a multi-tenanted architecture, I collaborated closely with cross-functional teams to integrate the Hailey AI Engine seamlessly into the platform, delivering enhanced functionality and value to users.

ABHINAV K SINGH
SENIOR ML ENGINEER

abhinavsingh.dev
abhinav@abhinavsingh.dev
Melbourne, Australia
+61474766857

08/2016 – 09/2018   **EY – BANGALORE**
Associate Consultant

- As a consultant at EY, I specialized in delivering automation solutions from analysis to production, while also assisting clients in establishing and scaling enterprise-wide Robotics Centers of Excellence (CoE). My work spanned diverse industries such as supply chain, banking, asset management, HR, and accounts, where I designed and developed tailored automation solutions to optimize operations and drive efficiency. Leveraging deep technical knowledge and industry insights, I navigated complex challenges to ensure successful implementations, ultimately delivering tangible business transformations and strategic growth for our clients.

EDUCATION

2019 – 2021   **THE UNIVERSITY OF MELBOURNE**   **WAM 84%**
Master of Information Technology

2012 – 2016   **SRM UNIVERSITY**   **GPA 9.7**
Bachelor of Technology

HONORS AND AWARDS

2019 – 2021   **MELBOURNE ENGINEERING SCHOLARSHIP**
University of Melbourne
Received Melbourne School of Engineering scholarship for exceptional academic performance

2013 – 2015   **SRM ENGINEERING SCHOLARSHIP**
SRM University
Received SRM Engineering scholarship for exceptional academic performance

SKILLS

- Python
- Machine Learning
- Kubernetes
- SQL
- PyTorch
- Docker
- Elastic
- scikit-learn