

M K KOUSHIK IYER

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WORK EXPERIENCE

Borderless Softtech Private Limited (Stockal)

May, 2024 – July, 2024

Engineering Intern

Stockal, A cutting-edge company specializing in global investing products for the US Stock Market and offering solutions for outward remittances. This product-based B2B and B2B2C firm provides advanced APIs and white-labelled solutions, and cash management,

I gained experience in:

- Testing and documenting **APIs** for 2 product lines, ensuring 100% transparency in endpoint access for potential partners, which streamlined the partner onboarding process and improved integration efficiency.
- Assisting in cleaning and processing data for **11 Stock price baskets** (stocks & ETFs), performing basic financial calculations and supporting the analysis that helped improve data accuracy
- Collaborating with cross-functional teams encompassing product management, business development, data analytics, software development, and operations
- Understanding the startup culture, its innovative products, and the collaborative effort across various teams for having provided me with valuable insights into how the business operates as an integrated unit

PROJECTS

Non - Academic Projects:

- **KNIME Analytics Platform** – Assisted in automating **data scraping** from web sources for marketing purpose for a niche insurance services company – InsurValue and Data migration from **SAP Business ByDesign** to Zoho Books for an Agri-tech company
- **Zoho Bigin** - Implementation assistance in deployment of Zoho Bigin with **workflows** for NRI services company and testing of the deployment
- **Zoho Bigin** - Initial Implementation in deployment of Zoho Bigin for a manufacturer and exporter of paper disposable products targeted to serve the food service industry
- Using **KNIME Analytics Platform** to fetch and manipulate data using HTTP method nodes, and created a workflow that fetches and updates fields in a provided endpoint

Academic Projects:

- Developed a movie recommender system using **MySQL** databases, where the frontend fetches movie data from a pre-loaded database based on user searches, providing personalized recommendations
- Collaborated with teammates to develop **JobSwipe**, a full-stack application that matches job seekers with recruiters, using **HTML**, **Bootstrap**, **Node.js**, and **MongoDB** as the tech stack
- Contributed to a student project that implemented **AES 256** encryption/decryption algorithm on a **Nexys A7 FPGA**, ensuring that the encryption and decryption processes were performed entirely on the hardware for enhanced security and performance
- Currently developing a **ML-based firewall** to prevent unauthorized access to the LAN, protecting against malicious activities by leveraging machine learning for enhanced security

EDUCATION

Manipal Institute of Technology,

Sept, 2022 - Present

Manipal Academy of Higher Education, Bengaluru

Bachelor of Technology (Honors) in Computer Science and Engineering (Specializing in Cybersecurity)

CGPA: 8.79/10.0

Associated Committees:-

- **Entrepreneurship Cell** - As the Community Engagement Head of my college's E-Cell, I lead initiatives that connect and maintain relationships with students, startups, and VCs, fostering a collaborative ecosystem that drives innovation, learning, and growth through strategic partnerships and impactful events.
- **Junior Placement Committee (PCOM)** - Served as a member of the Placement Committee, responsible for approaching HRs for collaboration and conducting groundwork to facilitate recruitment drives.

PUBLICATIONS

Gerard Deepak, M K Koushik Iyer, Samiksha Shukla

ATRSI: Automatic Tag Recommendation for Videos Encompassing Semantic Intelligence

2024 IEEE International Conference for Women in Innovation, Technology & Entrepreneurship (ICWITE)

RELEVANT COURSEWORK

Academic Courses: Data Structures, Object Oriented Programming, Digital System Design, Design & Analysis of Algorithm, Database Systems (Structured Query Language), Formal Languages and Automata Theory, Operating Systems, Computer Networks, Digital Forensics, Essentials of Management

CERTIFICATIONS

Data - Oriented:

- Alteryx Designer Core Certification
- Alteryx Designer Cloud Core
- Alteryx Auto Insights Micro-Credential
- Exploring SAP Analytics Cloud - Record of Achievement
- Basic Proficiency in KNIME Analytics Platform
- Machine Learning Fundamentals Micro-Credential
- Alteryx Designer Core Micro-Credential: General Knowledge
- Alteryx Foundational Micro-Credential
- Foundations: Data, Data, Everywhere
- Prepare Data for Exploration
- Ask Questions to Make Data-Driven Decisions

Programming - Oriented:

- Python for Data Science, AI & Development
- Programming Fundamentals
- Programming for Everybody (Getting Started with Python)
- Object-Oriented Hierarchies in Java
- Python Data Structures

Development - Oriented:

- Advanced Styling with Responsive Design
- Interactivity with JavaScript
- Web Design for Everybody Capstone
- Web Design for Everybody: Basics of Web Development & Coding

Cloud – Oriented:

- Oracle Cloud Infrastructure 2025 Certified Foundations Associate

Others:

- AI For Everyone
- Getting started with Flutter Development
- Flutter Startup Namer
- Fundamentals of Social Media Advertising
- Advertising with Meta
- Social Media Management

SKILL SET

Programming:	C, Java, JavaScript, CSS, Python
Framework:	Bootstrap, Pandas, NumPy
Runtime Environment:	Node.js
Tools:	KNIME Analytics Platform, Alteryx, Postman, SQL, PowerBI, Excel, Word, Spreadsheets, Oracle OCI, Zoho Creator, Zoho Books and Zoho Bigin
Platforms:	Jupyter Notebook

VOLUNTEER EXPERIENCE

Volunteer Services Organization, Manipal

Sept, 2022 – Present

- Volunteer at Blood Donation Camp which was held in Manipal Institute of Technology, Manipal Academy of Higher Education, Bengaluru Campus, April 2023