AAYUSH KUMAR MISHRA

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PROFESSIONAL SUMMERY

Software Engineer and Data Science Professional with 4+ years of experience. Proven track record in meeting project milestones, designing and delivering SaaS solutions for 50+ firms, and generating profits over $100M. Skilled in managing large datasets, applying complex analytical models, and addressing business challenges. Seeking to leverage expertise in a dynamic, growth-oriented role.

CERTIFICATIONS

- IBM Machine Learning Specialist - Professional
- Machine Learning Specialization, Standford University
- Problem Solving Certification, HackerRank
- Applied Data Science Certification, IBM

- Java Certification, HackerRank
- Django Certification, Academind
- Python Advance Certification, HackerRank
- Deep Learning Certification, Congnitivie.AI

TECHNICAL SKILLS

- Full-Stack Development
- Microservices
- REST and SOAP Framework
- CI/CD
- Containerization (Docker, Kubernetes)
- Machine learning (with MLOps)
- SaaS Scrum Management
- GIT
- Django
- AWS

PROGRAMMING LANGUAGES

- Python
- Java
- C++
- C
- Html and CSS
- JavaScript
- JSON
- React
- RUST (Actively Learning)

DATABASE

- MongoDB
- SQL/MySQL/PL(SQL)
- INFLUX DB
- ORACLE DB

EXPERIENCE

NOV 2023 - Present
SENIOR SOFTWARE ENGINEER, SIRION
Gurugram

- Led multiple SaaS development projects utilizing REST Framework, AWS, Big Data, and containerization, achieving a **customer onboarding time reduction of over 85%**.
- Delivered AI and ML-driven solutions for process automation, focusing on data extraction and generative AI, resulting in **15,500+ hours saved** and generating **over $2M in additional revenue**.
- Architected end-to-end SaaS solutions, handling complex problem statements and ensuring seamless delivery and deployment through **complex webhook design**, Service Based **Integrated Product Solution** along **containerization using Docker and Kubernetes on RHDL/WS**.
- **Enhanced document processing and data extraction** by integrating advanced OCR tools and machine learning capabilities, resulting in a **30% improvement in processing speed**. Additionally, streamlined reporting mechanisms led to significant time savings, with databases like PostgreSQL and MongoDB supporting seamless data integration.
- Developed logging and reporting mechanism for concurrent processes that **reduced index complexity by 40%**, improving system performance and reducing troubleshooting time.
- Trained and led teams to implement Python and Java, machine learning, Containerization, SOLID Principles with DRY Concepts and data science techniques, driving **high-quality solution delivery**.

MAY 2021 – NOV 2023
SOFTWARE ENGINEER - Data Services, BETSOL
Bengaluru

- Spearheaded and delivered multiple projects as a Software Engineer. Designing and developing Project Scorecard integrating technologies such as React, JavaScript, Python, SQL, MongoDB, Bash Scripting, and Azure, ensuring **scalability** and **robustness** for product design serving over **50+ clients**. **Reduced API development time by 30%** through efficient code management and streamlined PR reviews **Generating over $70M in FY 2022-23**.
- Crafted data-driven insights and innovative solutions developing Microservices through direct client engagement, optimizing service efficiency and **saving over 500+ hours** across the user base, contributing to reduction in reporting Matrix calculation and delivery time.
- Conducted in-depth reviews of business areas to fortify Product and analytics capabilities, empowering decision-making processes with a Focus on API performance enhancements supporting product, leading to profits and **boosted system efficiency by more than 20%.**
- Employed advanced analytical methodologies to evaluate system performance and mitigate potential security risks, reducing vulnerabilities by 40%, safeguarding sensitive data and increasing overall company growth potential.
- Trained Multiple candidates on different technical stacks Included but not limited to Programming Languages, Best Practices, code optimization and communication

APR 2020 – JUL 2020
DS/ML Intern, S. O. Infotech Pvt. Ltd
Noida

- Pre-processed large datasets and conducted exploratory data analysis (EDA) using Python, uncovering trends to drive actionable insights.
- Built and optimized machine learning models with Scikit-learn and TensorFlow, **improving predictive accuracy by 46% on test data on expected result of more than 50%.**
- Developed **end-to-end ML pipelines, including data cleaning, feature engineering, model deployment, and cloud integration**.
- Collaborated with cross-functional teams to solve real-world problems and documented workflows for reproducibility for clients.
- **Utilized Git and agile methodologies to streamline project development and delivery.**

OCT 2019 – MAY 2021
FREELANCE DEVELOPER, Fever | Upwork | LinkedIn
Remote

- Designed custom graphics for diverse client needs, delivering high-quality visual content tailored to branding requirements.
- Transitioned to web development, building dynamic, responsive web applications with JavaScript and Angular, ensuring seamless user experiences.
- Developed cross-platform mobile applications using Swift, optimizing performance for iOS and Android devices.
- Trained large language models (LLMs) and developed APIs to integrate third-party access in NetSuite (Oracle), enhancing data exchange and automation.
- Delivered projects across platforms with a focus on client satisfaction, adaptability, and timely delivery.

EDUCATION

BACHELOR OF TECHNOLOGY, MDU ROHTAK | AUG 2017 – SEP 2021 | Computer Science Engineering

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TOOLS

- Android Studio
- Power Automate
- Power BI, BOLD BI, GRAFANA
- MATLAB, Tableau
- Google cloud Auto-ML

SOFT SKILLS

- Proficient in problem-solving
- Fluent in English, Hindi, and Maithili
- Demonstrated leadership abilities
- Excellent time management skills