

Skanda I B

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PROFESSIONAL SUMMARY

Motivated Computer Science Engineering graduate with specialization in AI and Machine Learning. Skilled in full-stack development with expertise in Python, JavaScript, and modern web technologies. Proven ability to develop and deploy robust applications on cloud platforms. Passionate about creating innovative solutions at the intersection of web development and artificial intelligence.

TECHNICAL SKILLS

Languages: Python, JavaScript, HTML5, CSS, Java (Basics), C

Frameworks & Libraries: React.js, React Native, Bootstrap, Tailwind, jQuery, NumPy, Pandas, Matplotlib, Scikit-Learn, TensorFlow, Keras

Databases: MySQL, MongoDB

Tools: Git, VS Code

Other: SAAS, Azure Cloud Platform

Domains: Artificial Intelligence, Machine Learning, Deep Learning, Computer Vision, Web Development

PROFESSIONAL EXPERIENCE

Software Development Engineer

June 2024 – Present

Kiaan AgrowTech Pvt. Ltd.

Bangalore

- Architected and developed scalable web applications for the agricultural sector using MERN stack, focusing on responsive frontend design and user experience
- Implemented innovative full-stack solutions for the Kiaan SAAS platform, enhancing functionality and user engagement
- Developed and deployed enterprise-grade applications on Azure cloud platform, ensuring high availability and performance
- Collaborated with cross-functional teams to design and implement RESTful APIs, supporting seamless data flow between frontend and backend systems
- Utilized React.js and modern JavaScript frameworks to create dynamic user interfaces that improved customer satisfaction and platform adoption
- Recognized by leadership for providing innovative technical solutions during the development lifecycle

Full Stack Development Intern

2023

CompSoft Technologies

Bangalore

- Completed a 2-month internship focused on full-stack web development
- Gained hands-on experience in developing web applications using modern technologies
- Collaborated with senior developers to implement features and resolve issues
- Applied knowledge of HTML, CSS, JavaScript, and backend technologies in real-world projects

PROJECTS

AgriTwin SAAS Platform | MERN Stack, React Native, Microservices, Digital Twin

2024

- Built a B2B2C SaaS Agritech product designed as a digital twin of real-world agricultural operations for comprehensive farm management
- Engineered a scalable backend with microservices architecture using Node.js, Express, and MongoDB for modular functionality
- Developed responsive web interfaces using React and cross-platform mobile apps with React Native for on-the-go access by farmers and enterprises
- Implemented data-driven dashboards and real-time monitoring features for tracking crop cycles, inputs, soil health, and weather conditions
- Designed APIs to support multi-tenant architecture, seamless third-party integrations, and granular role-based access control
- Enabled end-to-end digital workflows—from farm planning to harvest—enhancing productivity, traceability, and sustainability

- Bone Fracture Detection Using Digital Image Processing** | *Python, Deep Learning*
2023

 - Developed an advanced medical diagnostic tool using Python and digital image processing to accurately detect bone fractures
 - Implemented deep learning models using TensorFlow and Keras for automated fracture detection
 - Created a user-friendly interface using customtkinter and pyautogui for medical professionals
 - Designed the system to assist in efficient treatment planning and improve diagnostic accuracy
- Acretech – Farmland Investment Platform** | *MERN Stack, JWT, REST, MongoDB Atlas*
2024

 - Developed a secure online platform for investors to explore and invest in verified farmland listings using MERN stack
 - Implemented JWT-based authentication and role-based access control for investors and admins
 - Integrated MongoDB Atlas for cloud-hosted data storage, managing investment portfolios and farmland data
 - Built RESTful APIs with Express.js to enable dynamic data exchange between client and server
 - Designed responsive React UI with dynamic dashboards, real-time investment tracking, and status updates
 - Integrated third-party services for payment handling and farmland verification

EDUCATION

Don Bosco Institute of Technology	2020 – 2024
<i>Bachelor of Engineering, Computer Science (AI and ML)</i>	<i>CGPA: 8.3/10</i>
Sri Chaitanya PU College	2019 – 2020
<i>12th Standard</i>	<i>Mangalore</i>
Shri Ramakrishna Vidhyalaya	2017 – 2018
<i>10th Standard</i>	<i>Hosanagara</i>

CERTIFICATIONS

2023 Complete Python Bootcamp from Zero to Hero - Udemy
Infosys Springboard Python & Basic Java
Capgemini C2TC Training Program - SQL, JPA with Hibernate, Git, Spring 5.0, Spring Boot, JavaScript, React
Azure AI Fundamentals - Microsoft