

Karthik Pohane

Bengaluru — India

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PROFILE SUMMARY

- Software Engineer with expertise in **Java, React.js, TypeScript, and API integration**, optimizing performance and user experience.
- Experienced in deploying scalable solutions using **AWS, Docker, and MongoDB**.
- Skilled in **data visualization and automation**, with a strong focus on improving **workflows and efficiency**.

SKILLS

Programming Languages: Proficient in Java, C/C++, Python **Scripting languages:** JavaScript, TypeScript.
Frontend: React.js, HTML, CSS, Next.js, MUI, Formik, Redux
Backend: Node.js, Express.js, RESTful APIs, GraphQL
Databases: MongoDB, SQL (MySQL) **Operating Systems:** Windows, Linux
Cloud Platforms: AWS, GCP, Google Firebase **DevOps Tools:** Docker, Git, JIRA, Postman

EXPERIENCE

Software Engineer

Aug 2024 - Dec 2024

Sellermate.ai

Internship, Bengaluru, IN

- Improved intuitive web applications with **React.js and TypeScript**, reducing page load times by 20%.
- Optimized API communication by integrating **GraphQL** and **RESTful APIs**, enhancing response time by 15%.
- Managed state with **Redux** and implemented **Formik** validation, improving user data accuracy by 30%.
- Developed reusable UI components with **Material-UI** and ensured scalable data management using **MongoDB**.

Product Support Engineer

Jan 2024 – June 2024

Meltwater

Internship, Bengaluru, IN

- Handled and **resolved 50+ customer support tickets** weekly using **JIRA**, improving resolution time by 25%
- Led **API-based content tracking and crawling project**, deployed on **AWS Beanstalk**, improving content delivery by 15%. Documented and streamlined solutions for recurring issues, enhancing the knowledge base and **reducing troubleshooting time by 20%**.
- Developed **Forify** to track content integrity using Meltwater's API. Integrated SSO login with Google Cloud, JIRA ticketing, and deployed on AWS.

PROJECTS

ONEpurity | *Python, Deep Learning, CNNs, TensorFlow* | [Github Repository](#)

Aug 2023

- Leveraged deep learning with **TensorFlow** and **CNNs (SSD MobileNet V2)** to develop a real-time pollution detection system, achieving 90% accuracy in pollutant identification.

CastClimate | *HTML, CSS, MySQL, JavaScript, PHP, XAMP* | [Github Repository](#)

Jan 2023

- Built an e-commerce platform with **PHP, MySQL, JavaScript**, enabling farmers to sell directly and cut middleman **costs by 15%**. Implemented a **Crop Suggestion System** for region-specific recommendations.

Salt&Pepper | *Java, Firebase, Android Studio, Mobile App* | [Github Repository](#)

July 2023

- Designed a music streaming app with audio recording, playlist creation, and song uploading features using Java and Firebase

EDUCATION

Christ University

Bangalore, IN

Master in Computer Application(MCA)

Passed with 75.37%

July 2022 – June 2024

Bajaj College Of Science

Wardha | MH, IN

Bachelors in Science (BSc-CME)

Passed with 85.57%

July. 2019 – June 2022

ACHIEVEMENTS

- Awarded Second Prize at IEEE Conference for developing an ML-based video game to assess mental health (C++, Unreal Engine 5) – [View](#)
- Runner-up at Hackathon 31, Meltwater, for building an API-based content crawling solution using AWS and Docker – [Truncdino](#).

INTERESTS & HOBBIES

Playing Basketball, Swimming & Cycling.