# Kiran Suresh Mahajan

## Associate Software Engineer

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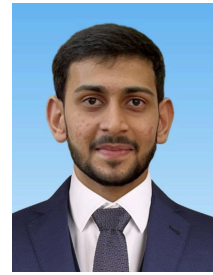
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## Education

**Master of Science in Computer Science**　　　　　October 2024 – May 2026
Technische Universität-kaiserslautern　　　　　　　Kaiserslautern, Germany

**Bachelor of Engineering  in Information Technology**　　August 2018 – June 2022 | Pune, India
Pune Institute of Computer Technology affiliated with
Savitribai Phule Pune University

## Professional Experience

**NICE ACTIMIZE**　　　　　　　　　　　　　July 2022 – August 2024 | Pune, India
Associate Software Engineer

- **Orchestrated** Docker containerization for QAS product, resulting in successful deployment on AWS and adoption by 10 major banks, reducing deployment time by 40% and increasing system uptime by 25%.
- **Crafted** and **integrated** 5+ reusable UI widgets using Vue.js for the internal UI library, reducing development time for new features by 30% across 3 organizational projects.
- **Architected** Azure AD support on Actone Platform utilizing Java Spring Boot, increasing user login options from 2 to 5 and reducing authentication time by 15 seconds on average.
- **Uncovered** and **eliminated** over 10 critical SSRF and XSS vulnerabilities using Burp Suite, preventing potential data breaches affecting over 1 million customer records across 10+ banks.

## Projects

**React CodeMod**　　　　　　　　　　　　　　December 2021 – March 2022

- **Engineered** an automated platform for refactoring class-based React components to hook-based, reducing manual conversion time from 1 hour to 10 minutes per component on average
- **Leveraged** Facebook's "**JSCodeshift**" to transform source code into Abstract Syntax Trees (AST), enabling precise modifications to 10+ components without introducing new bugs.
- **Innovated** a streamlined process for generating hook-based components, increasing the success rate of automated conversions from **60% to 90%**.

**Fee Portal**　　　　　　　　　　　　　　　December 2020 – February 2021

- Developed a comprehensive **fee payment system** for **5,000+ college students**, reducing administrative processing time from **2 days to 4 hours** per payment cycle.
- **Engineered** a **responsive front-end** using **CSS** and **JavaScript**, decreasing payment errors by **75%** and reducing average transaction time from **5 minutes to 2 minutes**.

- **Implemented** the EJS template engine for page rendering, achieving a **40% reduction in page load times** while decreasing server load by 60% during peak usage, enhancing user experience across the platform.

**Programmer Portfolio** ⬈                                                    May 2019 – July 2019
- Designed a **responsive software developer portfolio**, increasing profile views from potential employers by 30 **per month**.
- Integrated **GSAP library** for smooth animations, increasing average session duration from **1 minute to 2.5 minutes**.
- **Crafted** a comprehensive front-end solution utilizing HTML, CSS, JavaScript, and Bootstrap to optimize site performance; reduced load times by 40% and improved overall accessibility, benefiting a diverse user base of 15,000+ individuals.

## Skills

**Frontend**
Vue.js, React ,Angular Basics, JavaScript, TypeScript, HTML, CSS

**Databases**
MySQL, MongoDB

**Backend**
Java Spring Boot, Node

**Version Control**
Git

## Publications

**ReactCodemod: An Automated Approach for Refactoring Class-Based Components to Hook-Based Components** ⬈
International Research Journal of Engineering and Technology

## Certificates

Blockchain Basics          React, Redux (Coursera)

Developing Backend Apps with Node.js and Express (Coursera)