

AKHIL S NAIR

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OBJECTIVE

Aiming to pursue a Master's in Computer Science, specializing in software engineering with a keen interest in exploring AI/ML's impact on this domain. I envision myself as a software development engineer, progressing to a software architect role over time. Ultimately, aspiring to leverage my expertise gained through experience to establish my own startup, making a positive impact through innovative software solutions.

ACADEMIC QUALIFICATION

- B.Tech, Computer Science & Engineering, APJ Abdul Kalam Technological University, Trivandrum
August 2017 - June 2021 **GPA : 7.57/10.0**

ACADEMIC PROJECTS

Image Dehazing & De-raining Using Deep Residual Haze Network

CEC, Alappuzha

December 2020 - March 2021

- In a team of 4, developed an end-to-end model aimed at achieving up to 90% accuracy in the simultaneous enhancement of image clarity by effectively dehazing and de-raining. The model finds versatile applications in domains such as photography, surveillance, and environmental monitoring.
- Played an instrumental role in the project's realization by contributing to its design, development, and implementation. Specifically focused on refining the algorithm and optimizing the model's performance to achieve the targeted accuracy.
- The project was meticulously crafted using a combination of Python, TensorFlow, Keras, and NumPy.

INDEPENDENT PROJECT

Link Sharing

CEC, Alappuzha

November 2021 - December 2021

- The social media application serves as a versatile platform allowing users to seamlessly share links across various subjects. Users engage through likes, shares, and subscriptions to profiles, fostering dynamic interactions and knowledge exchange.
- Independently designed and implemented key features, including a robust engagement system, notification functionalities, and content rating mechanisms. These elements were crafted to enhance user experience and interactivity.
- The application's development leveraged a stack of Groovy and Grails for backend functionality. HTML, CSS, jQuery, and Bootstrap 5 formed the foundation for front-end design, ensuring an appealing and user-friendly interface.

WORK EXPERIENCE

RxLogix Corporation, Noida, Software Engineer

November 2021 - May 2024

- Played a pivotal role in PVCMS development, a flagship product set to supersede Oracle Argus, the industry leader. Introduced new features, resolved numerous issues, and enhanced overall functionality.
- Utilized Spring AOP to design and implement the email intake feature, facilitating automated case creation through email parsing. Additionally, incorporated sender acknowledgement emails into the system's functionality.
- Achievement: Integrated WHO and KOREA MFDS Dictionaries into the product browser, enabling efficient combined search and selection. Restructured code logic, boosting performance by 15% and drastically reducing load times for improved results.
- Technologies: Java, SpringBoot, Groovy, Grails, JavaScript, jQuery, HTML, CSS, Bootstrap.

TECHNICAL SKILLS

- **Languages:** Java, C++, JavaScript, Python, Groovy
- **Backend Technologies:** SpringBoot, Grails, Node.js
- **Frontend Technologies:** HTML, CSS, jQuery, ReactJS
- **Databases:** MySQL, Oracle Database, MongoDB

TECHNICAL PUBLICATIONS

- [Analyzing Facial Features and Emotions through Classifier Fusion](#)
International Journal of All Research Education & Scientific Methods (IJARESM, 2023)

INTERSHIPS

Cognetry Labs inc, Trivandrum, Software Engineer Intern

January 2021 – July 2021

- Utilized Python's Selenium and BeautifulSoup libraries to scrape and gather extensive data from multiple websites, significantly expanding the product's base by 40%.
- Implemented an efficient demo request process on the company's landing page using ReactJS, enhancing user experience.

CERTIFICATIONS/WORKSHOPS/ADDITIONAL COURSES:

- Programming, Data Structures And Algorithms Using Python, NPTEL IIT Madras, 2023
- Python 101 for Data Science, IBM, 2020
- C++ course completion certificate, Udemy, 2020
- Making Applications using IOT, Nest Technologies, 2019

ACHIEVEMENTS/CO-CURRICULAR/EXTRACURRICULAR

- Achieved distinction in the SOTI All India Programming Challenge, securing a position among the top 100 participants in a competitive field, 2020
- Ranked 1st in InterviewBit College Rankings, 2020
- Secured 1st position in school with a perfect 10 GPA in class X examination, 2015
- Attained 1st position in the college band competition, showcasing musical prowess, 2019
- Emerged victorious in the Rainbow Six Siege tournament held at NIT Calicut, highlighting strategic gaming skills, 2018

LEADERSHIP ROLES

- Placement Coordinator for the Training and Placement Cell of CEC: facilitated seamless organization of diverse job drives, industry seminars, and industrial visits. Recognized and awarded for exceptional service contributions.
- Served as the Event Manager for "Ashwa" the university's annual sports meet, overseeing the successful planning and execution of the event.

COMMUNITY INVOLVEMENT

- Actively engaged with Give India NGO, contributing monthly donations for the past 2 years to support the education and nutritional requirements of two financially disadvantaged girls.
- Engaged in tree planting for the last three years during the Van Mahotsava (Tree Festival) in collaboration with our society's park committee.