Curriculum Vitae

Abdullah Al Rafee

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Academic Credentials

Bachelor of Science in Electronics and Communication Engineering   CGPA: 3.19/4.00
Khulna University of Engineering and Technology (KUET), Khulna
November 2018 — May 2024

Higher Secondary School Certificate (HSC)   GPA: 5.00/5.00
Notre Dame College (NDC), Dhaka
June 2016 — June 2018

Secondary School Certificate (SSC)   GPA: 5.00/5.00
Chakaria Grammar School, Cox's Bazar
April 2016

Experience

Software Engineer   **Assistant Head of Development**   **Frontend Developer**
UJET Inc. San Francisco, CA   iMS Systems, Manchester, UK   iMS Systems, Manchester, UK
June 2024 - Present   July 2023 – June 2024   June 2021- June 2023

Projects

iMS Systems   [Javascript, MongoDB, Redis, Docker]
Description: iMS Systems is a SaaS Product that integrates business operations with ISO compliance, simplifying audits, enhancing visibility, and mitigating risks for better decision-making.

GN Surveys   [Typescript, Expressjs, MongoDB, node mailer]
Description: A SaaS solution for remote surveying with 2D/3D views, enabling document, location, and user management for efficient survey execution.

Alice AI   [OpenAI, Reactjs, Expressjs]
Description: Alice is an AI-powered Microsoft Word Add-in integrated with OpenAI API for AI-assisted editing. It helps users document compliance, identify risks, and suggest mitigation strategies.

Undergrad Thesis & Projects

Thesis
An Approach for Strengthening Smart Contract Security Through CEI, Re-entrancy Guard and Ethereum Virtual Machine Shield.
Supervisor: Dr. Sk. Shariful Alam, Professor, Dept. of ECE, KUET, Khulna, Bangladesh.

Projects

Water spraying Quadcopter   [Arduino, Python, Controller]
Description: This quadcopter was designed and programmed in a way where it could fly up to 500m in the range of 1Km and spray water automatically. It saves itself from objects by detection and changes the direction of fly.

Brain Cancer detection using CNN   [Python, CNN]
Description: A prediction model built with Convolutional Neural Network (CNN) which can detect brain tumor for MRI images up to 95% accuracy.

School Management web app   [React, PHP, JWT]
Description: A student teacher management portal for course registration, course management, teacher and student management.

Line Follower Robot   [Arduino, IR sensor, DC supply]
Description: Real time path detection and navigation bot that follows a line with optimization and accuracy.

Technical Skills

Programming Languages	Javascript, Python, C, C++,Typescript, HTML, CSS, PHP, MongoDB, MySQL
Frameworks	React, Angular, AngularJs, ExpressJs
Machine Learning (ML)	CNN, TensorFlow
Design and Simulation	MATLAB, Proteus
Version Control	Git, GitHub
Graphics & Editing Software	Photoshop, Illustrator, Premier Pro.
Other	Problem Solving, Leadership, Team building, Project management.

Achievements and Scholarships

Google Codejam (Round 1)
Qualified round 1 of google codejam competition by solving a problem using C++

Math Olympiad
Awarded with the 1st runner up position in junior category of Math Olympiad

Hult Prize
Securing 2nd runner up position of on-campus round participated in regional round

HSC board scholarship
Scholarship from Education Board, Dhaka.

SSC Board Scholarship - General
Scholarship from Education Board, Chittagong

Achievements and Scholarships

Dr. Sk. Shariful Alam
Professor,
Department of Electrical and Communication Engineering, KUET
Khulna, Bangladesh.
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