

Adhik Chintalwar

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Professional Summary

Highly motivated and detail-oriented software developer with hands-on internship experience in software design and development. Experienced in designing front-end pages using modern scripting languages such as HTML5, CSS3, JavaScript, TypeScript, jQuery, JSF, AJAX, AngularJS/2.0/4.0, ReactJS, NodeJS, and Bootstrap. Proficient in developing dynamic and responsive single-page applications (SPA) using Angular 2, Webpack, Angular CLI, NPM, AJAX, and XML. Adept at full-stack development, with expertise in both front-end and back-end technologies including ExpressJS and MongoDB. Known for problem-solving, collaborating with teams, and quickly learning new technologies. Eager to contribute technical knowledge and practical experience to build innovative software solutions in a growth-oriented environment.

Education

University of Alabama at Birmingham

Masters in Computer Science

Birmingham, Alabama, United States

August 2023 - December 2024

SRM Institute of Science and Technology

Bachelor of Technology in Computer Science and Engineering

Chennai, Tamil Nadu, India

June 2019 - July 2023

Technical Skills

Databases: MySQL, SQL Server, MongoDB, Oracle SQL, Microsoft SQL Server.

Languages: C, C++, Java, Python, JavaScript, HTML5, CSS3, SQL, Bootstrap, jQuery.

Tools: MS Office, VS Code, Jupyter, Sublime, Docker, GitHub, Git, Postman, Mysql Workbench.

Technologies: Azure Cloud, Object Oriented Programming(OOP), JSON.

Work Experience

Lori Health Pvt. Ltd

Software Development Intern

February 2022 – May 2022

- Collaborated in the creation of a health management website that provided tailored wellness plans and progress tracking; the platform is now utilized by 1,200+ users, promoting healthier lifestyle choices across diverse demographics.
- Utilized ReactJS, HTML5, CSS, and Bootstrap to create dynamic and responsive user interfaces, enhancing the overall user experience.
- Implemented Node.js and RESTful APIs for robust server-side functionality, ensuring seamless data processing and integration between the front end and back end.
- Employed GitHub for version control, effectively collaborating with team members to manage code revisions, track changes, and maintain project consistency.

Projects

WeConnect - Social Networking for Group Messaging and Media Sharing

July 2024 – Present

- Designed and developed a comprehensive social networking application that supports group messaging, video sharing, and image uploads.
- Employed ReactJS to build an intuitive, dynamic, and responsive user interface, enhancing overall user experience.
- Implemented MongoDB as the backend database for efficient storage and retrieval of user data, multimedia content, and posts.
- Utilized ExpressJS to handle backend processes, including RESTful API development and server-side logic, ensuring seamless communication between client and server.
- Applied Express routing to facilitate smooth navigation across different sections of the application.
- Leveraged React hooks for advanced state management and asynchronous operations, incorporating features like timeouts to ensure fluid user interactions.
- Developed an interactive environment that enabled seamless group discussions and real-time feedback for users; this feature saw more than 300 active groups formed within three weeks of deployment.

Go-Easy-Carpool: Smart Ride-Sharing with Secure Login

September 2021 – Present

- Developed a feature-rich carpooling application using the React Native framework, combining JavaScript, Bootstrap, and Firebase for robust database management and real-time data synchronization.
- Developed a scalable backend infrastructure with Express.js, ensuring efficient server-side operations and smooth, uninterrupted communication between the client application and the server.

- Integrated SMTP services to facilitate the automatic dispatch of account verification links, and employed OTP-based authentication for secure and streamlined user login processes.
- Empowered users with the ability to seamlessly book rides, while enabling car owners to approve requests. Upon approval, the system automatically dispatched confirmation messages and comprehensive ride details to the user.
- Prioritized user experience and security by implementing real-time notifications, enhancing engagement and ensuring a secure validation process for all accounts.

Cloud-Based Email Distribution System with AWS SES Integration

August 2024 – Present

- Developed a robust web-based application for seamless email sending using Amazon Web Services (AWS) Simple Email Service (SES).
- Implemented user authentication with a login and registration system, allowing secure file uploads and email message composition through intuitive user interfaces.
- Leveraged AWS EC2 for server hosting, ensuring reliable and scalable backend processing.
- Utilized AWS S3 for efficient file storage, automatically deleting uploaded files after successful email delivery.
- Integrated AWS RDS to store user credentials, sender/recipient metadata, and file information across two separate databases for enhanced data management and security.
- Designed the application to verify sender and recipient email addresses via AWS SES to ensure secure and authenticated email transactions.
- Orchestrated a seamless end-to-end process for sharing documents and messages via email, optimizing security and resource efficiency.

Certifications

Microsoft Azure Fundamentals

Earned on: July 23, 2024

<https://learn.microsoft.com/api/credentials/share/en-us/ADHIKCHINTALWAR-5716/3B8F6EC70A86F5B8?sharingId=BEC4B5F841FEC9C0>

Publications

AIP Publishing

Published a paper "Text Summarization Using BART" in AIPCP

Presented the research paper at "4TH INTERNATIONAL CONFERENCE ON INTERNET OF THINGS"

<https://doi.org/10.1063/5.0217004>

Achievements

HACKATHON: Secured first place in a hackathon at SRM University by developing a highly innovative solution that addressed complex problems, demonstrating superior coding skills and effective capabilities.