CONTACT

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LinkedIn

Github

GeeksForGeeks

SKILLS

- Data Structures and Algorithms
- Software Development
- Operating Systems
- Network Security
- Database and Management System
- OOPs concept
- C++ Development
- UNIX

TECHNICAL SKILLS

Languages :

Java, C , C++, HTML, CSS, JavaScript, Python, MySQL

Developer Tools :

GitHub

Technologies/ Frameworks :

Git, VS Code, Bootstrap, Android Studio, IntelliJ Idea, Eclipse

CERTIFICATIONS

- AWS Certified Cloud Practitioner - Udemy
- Full Stack Development -BETSOL
- Web Programming - Ethnotech
- Python Programming - Ethnotech
- ESG Virtual Experience Program - Tata Consultancy Services

SAHIL TIWARI

CSE UNDERGRADUATE

BANGALORE

ABOUT

As a software engineer, I possess a strong proficiency in designing, developing, and deploying robust software solutions, cultivated through hands-on experience and academic training. I am adept at translating complex requirements into scalable and efficient software architectures, as evident in my contribution to project during my internship at Indian Tech Keys. With a keen eye for innovation and a track record of delivering high-quality software products, I am poised to drive technological advancements in any team or organization.

WORK EXPERIENCE

- **Full Stack Web Developer | Indian Tech Keys**

  AUGUST 2023 - SEPTEMBER 2023

  - Designed seamless front end using HTML, CSS, and JavaScript, adhering to responsive design principles.
  - Implemented Flask framework for data validation and storage, ensuring smooth backend functionality of the web application.
  - Utilized Firebase Realtime Database for efficient data management, showcasing adaptability to diverse technology stacks.

- **JP Morgan Software Engineering Virtual Experience**

  MARCH 2024

  - Mastered essential software engineering practices through JPMorgan Chase's virtual program, including setting up development environments, understanding engineering workflows, and collaborating on project backlogs.
  - Applied technical expertise to troubleshoot and fix broken scripts, implement unit tests, and resolve TypeScript issues, ensuring smooth data transmission and accurate web application outputs.
  - Demonstrated innovative problem-solving by leveraging JPMorgan Chase's Perspective library to create dynamic live graphs for traders, contributing to enhanced data visualization and analysis capabilities.

PROJECTS

- **Cake Ordering Website |** HTML, CSS, JavaScript, PHP, MySQL

  - Led the agile development and optimization of a sophisticated cake ordering platform, employing a comprehensive software engineering approach.
  - Implemented responsive design, asynchronous request handling, and PHP server-side scripting using MVC architecture to enhance user experience, ensure maintainability, scalability, and adherence to SDLC methodologies, with Git for version control.

- **Ride Hailing Chatbot |** Botpress, Meta, Node.js

  - Spearheaded the development of an intelligent WhatsApp chatbot for automating auto ride bookings, leveraging natural language processing (NLP) algorithms and neural network models with Botpress, Meta, and Node.js technologies.
  - Engineered a conversational interface using finite state machines (FSM) and dialog management techniques, integrating with external APIs for geolocation and booking services.

- **Spotify Playlist Scraper and Audio Downloader |** Python, Flask, React.js

  - Developed a robust web application utilizing Python Flask as a micro-framework for backend services and React.js for frontend interfaces, adhering to RESTful API design principles and employing JSON Web Tokens (JWT) for secure authentication.
  - Implemented OAuth 2.0 for secure Spotify API integration, utilizing authorization code flow and refresh tokens. Leveraged yt-dlp, YouTube Data API, and Celery/RabbitMQ for efficient audio extraction, employing asynchronous task queues for performance optimization.