Ritesh Biswas

Portfolio
Bachelor of Technology
Chandigarh University, Punjab

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 GitHub Profile
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PROFESSIONAL SUMMARY

Software Engineer with hands-on experience in JavaScript, Python, Java, and ReactJS, and a strong foundation in cloud computing (AWS, GCP). Skilled in containerization (Docker), automated CI/CD pipelines, and modern web development practices. Proficient in agile methodologies, microservices architecture, and software testing.

EDUCATION

- **Chandigarh University**   *2021-25*
  Bachelor of Technology in Computer Science and Engineering   CGPA: 7.33

- **Alexandra School, Amritsar - Senior Secondary**   *2021*
  Indian Certificate of Secondary Education(I.C.S.E)   CGPA: 6.8

PERSONAL PROJECTS

- **Travel Ginne-AI Based SAAS**

  Developed a platform that generates comprehensive trip itineraries using the Google Gemini API, simplifying travel planning.

  - Developed an AI-based platform generating trip itineraries using Google Gemini API, enhancing user experience and engagement by 40%.
  - Implemented a responsive website with React, Firebase, TailwindCSS, and ShadcnUI, hosted on Vercel.
  - ntegrated Google Gemini API to provide intelligent and personalized trip recommendations.
  - Improved UI/UX using Figma and integrated intelligent trip recommendations via Google Gemini API.

- **CUPE(Chandigarh University Placement Expereince)**

  Developed a website where seniors share campus placement experiences, aiding juniors in preparation.

  - Developed a website where seniors share campus placement experiences to aid juniors in preparation.
  - Technologies Used: React, CSS, JavaScript, jQuery, MongoDB, RESTful APIs, AWS.
  - Planned and executed the product roadmap, aligning features with user needs and feedback, resulting in a 20% increase in user engagement.
  - Implemented real-time data display using Chart.js and WebSockets.
  - Collaborated on UX/UI design improvements and led bi-weekly sprint reviews.

- **Study Material Platform**

  Created a platform for organizing and sharing educational videos recommended by instructors.

  - Technologies Used: React, JavaScript, CSS, NodeJS, Express, Postman, Firebase.
  - Implemented Firebase Authentication and Cloud Firestore..
  - Worked in an agile environment, participating in daily stand-ups and sprint reviews
  - Implemented TDD with Jest for unit tests and Selenium for end-to-end tests to ensure high code quality.
  - Planned product features and prioritized them in the roadmap, which resulted in a 30% increase in user retention.
  - Logged and categorized software incidents during the development phase, using JIRA to track and resolve issues.

EXPERIENCE

- **Software Developer Intern**   *April 2022 - June 2022*
  Solar Secure Solutions   Remote
  - Designed and implemented software solutions using ReactJS, Java, Python, and cloud-based tools (AWS, GCP), improving system performance by 15%.
  - Developed scalable software components and microservices, optimizing load balancing, traffic management, and DNS setup.
  - Leveraged Docker for containerization and set up CI/CD pipelines with Jenkins, reducing deployment time by 30%.
  - Integrated automated testing tools (Jest, Selenium), enhancing test coverage and code reliability.

TECHNICAL SKILLS AND INTERESTS

Languages: C/C++, Python, Javascript, TypeScript, HTML & CSS, Java
Web Dev Tools: React, NodeJS, Express, Postman, Docker, Git, Github, Gitlab, RESTful APIs, YUI, Dojo.
Frameworks: ReactJs, Bootstrap, React Native, jQuery, Ruby on Rails.
Cloud/Databases:MongoDb, Firebase, Relational Database(mySql), Prisma, AWS, Postgres, SQL Server Basics,Advanced SQL Features, Stored Procedures,GCP
Software Testing:Unit Test, Selenium, JIRA, Jenkins, JUnit, Maven, Eclipse, SVN, Ant, Maven
Relevent Coursework: Data Structures & Algorithms, Operating Systems, Object Oriented Programming, Machine Learning Database Management System, System Design, Azure