BHUVANESH D

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PROFESSIONAL SUMMARY

Final-year B.Tech (IT) student with a strong foundation in Java and working knowledge of Python, C, React, Flutter, and AI. Passionate about problem-solving and continuous learning. Eager to apply technical skills in real-world projects and grow as a software developer in a dynamic, innovation-driven environment.

EDUCATION   Sep 2022 - May 2026

KALASALINGAM UNIVERSITY

B - TECH INFORMATION TECHNOLOGY

PRESIDENT – NATURE CLUB UNDER LEADERSHIP & EXTRACURRICULARS   2025 - 2026

- Led a team of members in organizing awareness drives, eco-friendly initiatives, and campus events.
- Coordinated cross-functional activities, fundraising, and partnerships with local organizations.
- Developed leadership, communication, and project management skills.

PROJECTS

Encrypted Exchange – Secure Data Sharing Platform   Apr 2022 – Aug 2022
- Implemented Homomorphic Encryption, ZKPs, and Blockchain, ensuring 100% encrypted data exchange.
- Built a full-stack system (React, Express.js, MongoDB, IPFS) reducing query latency by 30%.
- Integrated AI-powered modules for encryption updates & anomaly detection, improving threat detection by 25%.

Weather App – API-driven Backend Service   Jan 2023 – Mar 2023
- Developed a Node.js backend to fetch & handle real-time API responses with 99% accuracy.
- Achieved 40% faster API response times by optimizing request handling and caching.

Personal Portfolio Website   Jun 2023 – Jul 2023
- Designed and deployed a responsive portfolio using React.js & Tailwind CSS.
- Integrated a Node.js + Express backend contact form, improving engagement by 50%.
- Deployed on GitHub Pages, achieving 100% uptime across 6+ months.

Event Registration App – Flutter + Firebase   Oct 2023 – Jan 2024
- Built a cross-platform app (Flutter, Dart) enabling event registration for 200+ users.
- Integrated Firebase authentication & real-time DB, reducing login errors by 35%.
- Enhanced UX with smooth UI & responsive navigation, increasing user retention by 20%.

TravelMate – AI-Powered Travel Planner   May 2024 – Sep 2024
- Developed a web app integrating AI models to recommend destinations based on seasonality & interests.
- Connected Google Maps + Weather APIs for optimized routes, cutting travel plan time by 40%.
- Built backend for authentication, preferences, and trip history, serving 100+ test users.

SKILLS

- **Languages:** Java, Python, SQL, C, JavaScript
- **Backend:** Spring Boot, Hibernate, JPA, JSP/Servlets, REST APIs, Microservices
- **Databases:** MySQL, MongoDB, JDBC; Exposure to Data Lake/Warehouse (Apache Iceberg)
- **Cloud & Deployment:** Docker, Kubernetes (basic), Helm (learning), CI/CD pipelines, Maven, Heroku
- **Testing & Tools:** JUnit, Postman, IntelliJ IDEA, Eclipse, Git, GitHub, JIRA, Apache Tomcat
- **Core CS:** Data Structures, Algorithms, OOP
- **AI-Native:** GitHub Copilot, ChatGPT for coding, debugging, testing

Certification

- Encryptcon 24-Hr Hackathon
- Codex cryptum - ASSOCIATION FOR COMPUTING MACHINERY (ACM)
- DevOps Dojo - ITE