

Aakash Thapa

Software Development Engineer

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Portfolio | LinkedIn | GitHub

EDUCATION

Bachelors in information science and engineering **Bangalore, India**
Visvesvaraya Technological University (VTU), India **August 2017 - July 2021**

- Relevant Course: Data Structures, Software Development, Machine Learning, Advanced Algorithms.
- Studied at Nitte Meenakshi Institute of Technology (NMIT) College, India.
- CGPA of 8.43/10.

Masters in information technology **Sydney, Australia**
Swinburne University of Technology **September 2022 - June 2024**

- Relevant Course: Web development, Cloud Computing, Big Data, OOP, Technology Application project.

PROFESSIONAL EXPERIENCE

Internship – Flutter Developer **Kathmandu, Nepal**
Professional Computer System (P) Ltd. **November 2021 - April 2022**

- Successfully completed a 6-month internship specializing in Android and iOS application development.
- Developed multi-platform apps for iOS and Android using Google's Flutter framework.
- Collaborated with the Java Team Lead to create new app experiences and maintain existing apps.
- Demonstrated strong teamwork, diligence, and adaptability.

Internship – Full Stack Web Developer **Kathmandu, Nepal**
Phoenix Solutions PVT. LTD. **April 2022 - September 2022**

- Completed a 6-month internship with a focus on full stack web development.
- Leveraged the MERN stack to design and implement dynamic and responsive web applications.
- Utilized Amazon Web Services (AWS) to enhance website functionality, incorporating Amazon S3 for multimedia asset management and EC2 instances for deployment.
- Integrated databases using services like Amazon RDS to strengthen backend support.
- Demonstrated dedication and enthusiasm for expanding technical skills.
- Collaborated effectively within a team to deliver innovative user experiences.

TECHNICAL SKILLS

- Programming Languages: JavaScript |TypeScript| Python | C++ | JAVA | C# | SQL | Dart.
- Technical: Database (MongoDB, DynamoDB, SQL, Firebase), AWS, MERN, Node.js, React, Gitlab, Postman, Terraform, Ubuntu, CSS (Sass, Tailwind, MaterialUI)
- Mobile Application Development (Android, Flutter)

CAREER HIGHLIGHTS

- Over 4+ years of experience in coding, with a strong focus on full-stack development, software development life cycle (SDLC), and cloud services.
- Collaborated closely with clients to understand their unique needs and requirements, translating them into functional and innovative solutions through freelance projects.
- Actively participated in multiple open-source repositories on GitHub, showcasing proficiency in JavaScript, Node.js and MERN projects.

PROJECTS / OPEN-SOURCE CONTRIBUTION

Enhancement of Feature “Resource Cost Breakdown” | Link **AWS, Terraform, Prometheus, Grafana.**

- Led the implementation of a resource cost breakdown feature for a cloud-based project.
- Utilized a variety of tools including Terraform, Prometheus, Grafana, and HCL Code to create and manage the project's infrastructure.
- Effectively managed cloud services, optimizing resource allocation and usage.
- Demonstrated strong problem-solving skills and the ability to work with complex cloud technologies.

Ecommerce Website | Link **NodeJS, ExpressJS, MangoDB and ReactJS**

- Led the implementation of a resource cost breakdown feature for a cloud-based project.
- Developed a fully functional eCommerce web application using Node.js, Express.js, MongoDB, and React.js.
- Designed and implemented an efficient emailing system to automate communication with users, including order conformations, shipping notifications, and promotional campaigns.
- Created an intuitive admin dashboard using React.js, providing comprehensive management capabilities for products, orders, and customers.
- Integrated Stripe payment gateway to enable secure and seamless online transactions, allowing users to make payments using various payment methods.

Desi Hattie Food Ordering Application | Link **Php, MySQL, HTML/CSS, JavaScript**

- Developed the Desi Hattie Food ordering web application as a freelance project using PHP, MySQL, HTML/CSS, and JavaScript.
- Designed and developed a robust backend using PHP and MySQL, ensuring efficient data storage and retrieval for orders, menus, and customer information.
- Integrated a secure online payment gateway to enable customers to make seamless and secure transactions.
- Implemented features such as menu browsing, item selection, customization options, and item filtering to enhance the food ordering experience.

CERTIFICATION

- The Joy of Computing using Python - **NPTEL**
- Introduction to Big Data - **Coursera**
- Front-End JavaScript Frameworks: Angular - **Coursera**
- Preview React: Using TypeScript- **LinkedIn**
- React: Using TypeScript - **LinkedIn**
- Learning ECMAScript 6+ (ES6+) - **LinkedIn**