

Aakash Rajawat

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Education

Masters of Science in Information Systems | *Northeastern University, Boston, MA*

Expected May 2024

Relevant Courses: Network Structures and Cloud Computing, Program Structures and Algorithm, Web Design and Development

Bachelor of Engineering in Computer Engineering | *Mumbai University, Mumbai, India*

Aug 2018 - May 2022

Technical Skills

Programming Languages:	Java, Python
Web Technologies:	HTML5, CSS, JavaScript, Bootstrap, React, NodeJS, React-Native
Cloud Technologies:	AWS, Google Cloud, Amazon S3
Database:	MySQL, MongoDB, Postgres, Firebase-Firestore
Tools:	Git, GitHub- Desktop, Android Studio, XCode, Visual Studio,

Academic Project

Native Cloud Application, Northeastern University | *(Node.js, Postgres, Pulumi, Github Actions, S3).*

Sep 2023 - Present

- Demonstrated expertise in building infrastructure as code using Pulumi for AWS, creating and managing Virtual Private Cloud (VPC), subnets, internet gateway, and EC2 instances
- Implemented continuous integration workflows with GitHub Actions, automating the validation and formatting of Packer templates, with building and sharing of custom Amazon Machine Images (AMIs) across AWS accounts
- Developed a custom Amazon Machine Image (AMI) using Packer, based on Debian 12, with integrated application dependencies for efficient deployment in the AWS environment

Job Finding Application, Northeastern University | *(React-native, Google-Firebase, JS)*

Jun 2023 - Sep 2023

- Engineered a mobile application empowering job seekers to explore job listings from various companies
- Implemented secure user registration through Google authentication to thwart unauthorized access
- Incorporated real-time email verification and password recovery functionalities for enhanced user experience

Tour Booking Website, Northeastern University | *(HTML, CSS, React, MongoDB, Stripe, Node)*

Jan 2023 - May 2023

- Orchestrated the development of a comprehensive MERN website enabling customers to book curated holiday tours
- Integrated the Stripe payment Gateway API to facilitate seamless and secure transactions
- Crafted an aesthetically pleasing front-end using CSS, SASS, and implemented data encryption for heightened web-app security
- Significantly reduced data entry errors by 30% through robust data validation mechanisms

Professional Experience

Freelance App Developer – Book It, Easy Events | *Mumbai, India*

Sep 2021 - Jun 2022

- Leveraged React Native to implement intuitive features, enhancing user interface and experience for seamless event discovery
- Achieved a 20% reduction in unauthorized access attempts and a 99.9% success rate in secure user authentications through implementation of OAuth and Google Cloud services, enhancing user data security
- Optimized backend development using Node.js to ensure swift and seamless data transfer, enabling real-time updates for event schedules and seamless participant registration

Web Developer Intern – Trevo Consulting | *Mumbai, India*

Jul 2021 - Aug 2021

- Enhanced user interactivity by developing responsive webpages using PHP, resulting in a 20% increase in user engagement
- Achieved personalized and real-time engagement with users by automating email communication through MailChimp API, leading to a 15% rise in user interaction
- Optimized hosting resources and reduced operational costs by 25% through successful migration of the website to Hostinger

Software Engineering Intern – Failure to Success (FTS) | *Mumbai, India*

Jun 2021

- Led a collaborative team of 5 engineers to successfully deliver projects within budget constraints
- Documented and communicated project progress to manager, ensuring transparent and effective project management
- Enhanced website functionality by employing PHP and JavaScript, achieving optimal online hosting on a cloud platform

Leadership Skills

- Hosted an event with 50+ people in Mumbai increase networking among student of Northeastern
- Founded and led a thriving tech community, overseeing successful organization of three impactful hackathons in Mumbai