

Profile

Full-stack developer with 3.5+ years of experience in designing and implementing robust architectures on the cloud. Proficient in delivering user friendly interfaces emphasizing speed and efficiency. Passionate about learning new technologies.

Education

2016 – 2020 **Indian Institute of Technology Patna**, *Bachelor of Technology in Computer Science and Engineering*, GPA of 8.53 / 10.00

Work experience

- May 2023 – **Fullstack engineer, RevComm Inc.**, Chiba, Japan, SDE - III
- Present
- Collaborate with the Product and Customer support teams to understand PRD and create design docs to design and implement new features
 - Architected and designed a system to create and edit custom user prompts for summarizing meeting transcripts using ChatGPT using REST APIs created in Django and React.js for UI
 - Refactored webhooks in Django to decouple and optimize code without modifying existing data
 - Modified file conversion module to support multiple speakers in an n-channel configuration
 - Created a Translator slackbot which auto translates messages to and from Japanese using DeepL and deployed on AWS Lambda using Chalice
 - Maintained and updated system infrastructure on AWS using Terraform as IaC
- Sep 2020 – **Fullstack developer, Weathernews Inc.**, Chiba, Japan/Remote - India, SDE - II
- April 2023 (2 years, 7 months)
- Designed and developed an automatic Speech to Text transcription and summarization service using AWS Fargate, Python and Lambda functions increasing customer satisfaction by 25%.
 - Developed an financial record keeping web app using Handsontable, AWS S3, including automated testing and CI/CD setup with Cypress and Github actions, speeding up HR center's monthly audit report making by 32%
 - Refactored on site codebase for migration to AWS EC2
 - Maintained, optimized and added features to multiple fullstack web applications
- May 2019 – **Software Development Intern, Weathernews Inc.**, Chiba, Japan
- July 2019 (2 months)
- Created a weather report management application using HTML, CSS, JavaScript and PERL
 - Designed and implemented a software release tool, increasing the efficiency of product releases by 250% using PERL. The team is still using this software in production for weekly releases.
 - Added features to a 3rd party Node.js application, reducing outsourcing cost by 100%

Academic/Personal Projects

- July 2021 – **API validator, Personal**, Webapp
- Aug 2021
- A simple, responsive online tool for quick API development and validation. [Link here](#)
 - Created and deployed the webapp online using AWS Amplify, React.js, MaterialUI and Github pages.
- July 2019 – **Violent image classification, Under Dr. Abyayananda Maiti**, IIT Patna, AI
- July 2020
- Created and tested various models utilizing very deep CNNs to detect and classify violent images, achieving a max validation accuracy of 73%
 - Utilized python, tensorflow and numpy to develop many deep neural nets.
- Aug 2018 – **Quiz portal**, IIT Patna, Webapp
- Dec 2018
- Created an online quiz portal where teachers create and upload quizzes, using PHP and MySQL
 - Frontend was developed using HTML, CSS and JavaScript, styled using Bootstrap. [Video here](#)

Skills and proficiencies

- Web development React.js, Django, Next.js, JQuery, JS, PERL, Python
- Cloud AWS services and architecture, Terraform, AWS CDK
- Other tools Systems programming (C, C++, bash), MySQL, Docker, LaTeX
- Languages English, Hindi - Native fluency. Japanese - beginner