Ritvik Puranik

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EDUCATION

- **Birla Institute of Technology and Science, Pilani, Goa Campus**
  Bachelor of Technology: Mechanical Engineering   *GPA- 8.96*   *2018-2022(Expected)*

SUMMARY

A software development enthusiast passionate about full stack web development. Currently proficient in Ruby on Rails along with experience in Nodejs, Python & HTML/CSS. Five months experienced as a full-stack web-developer and worked on enterprise level code. I am a fast learner and can pick up new frameworks/ languages easily.

TECHNICAL INTERESTS

Full stack web development, Problem solving, Debugging, Technical Documentation.

TECHNICAL SKILLS

- **Languages/ Frameworks:** Python, Nodejs, Ruby on Rails, Angular(Basic), HTML/CSS, RPA(Ui Path) ROS, CSF111, C, C++
- **Softwares:** Visual Studio Code, AWS, Gitlab, Notion

PROJECTS AND COURSES

- ***ASR Using Nodejs***   *Feb, 2022- April, 2022*
  Project at Avaamo Technologies
  - To enhance C-IVR functionality, the team had to develop a Speech-To-Text service that captures alphanumeric sequences with production level accuracy. This is an industry wide challenge and there currently is no off-the-shelf solution.
  - Performed pre and post processing to improve native accuracy.
  - Obtained ~80% accuracy tested over 700 samples. Service rolled out and in use by clients.
  - ***Keywords:*** *ASR, Google Speech-to-text, API*

- ***Bug Fixes and improvements on the Avaamo Dashboard***   *April, 2022- Present*
  - Resolved 18 tickets including critical bugs and new features for the latest release.
  - Worked on implementing Google Charts, Internal APIs and services, UI layout, automated mailing systems, generating analytics for a given date-range.
  - Familiar with logging errors and debugging practices for frontend and backend.
  - ***Keywords:*** *Ruby on Rails, MVC architecture, automated mailing*

- ***CommuniT App***   *May, 2021- Oct, 2021*
  - In order to connect the residents of the apartment with the local stores, we built a chatbot wherein residents can place orders on whatsapp and this is redirected to the respective stores on our website.
  - Built the whatsapp chatbot using Twilio API. Hosted on AWS Elastic Beanstalk.
  - ***Keywords:*** *Python, Flask, React, Sqlite3, AWS*

- ***OMR Scanner(*** [GitHub_Repository](#)*)*
  Hack-Ed Hackathon, 2020
  - Contributed to building an OMR scanning app that could input answer key and response sheet, and return student score. It also records the enrollment number and test ID.
  - ***Keywords:*** *Python, Image Processing*

- ***Computer Science(School and College)***
  - Familiar with C and C++ languages, Data Structures, Object-Oriented Programming, and Logic in Computer Science.
  - Comfortable using Linux operating system.

OTHER PROJECTS/ EXPERIENCE

- ***Intern at Atomic Energy Regulatory Board, Mumbai***   *May, 2020 - June, 2020*
  - Worked with the scientists to research the existing cooling technology of nuclear plants in India and around the world, and explored some ways to improve.
  - Documented the research and prepared a technical report on the same.

- ***Project Kratos, A Mars Rover***
  - The team aspires to build a fully functioning Mars Rover prototype and participate in the Indian and University rover challenge. We are currently one of the only four Indian teams to qualify for URC.
  - I served as a member, Vice-Captain, and senior advisor to the team during my journey with the project.

RESPONSIBILITIES AND AWARDS

- **Vice Lead, Project KRATOS**- Responsible for looking after the Mars Rover Prototype team of over 40 students of BITS Goa.
- **Recipient of the Aditya Birla Scholarship Award**- Awarded to select 16 engineering undergraduates across the country for their aptitude and leadership skills.