

Biswajit Roy

Portfolio: <https://biswajit.netlify.app>

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EXPERIENCE

- **Tata Consultancy Services** Bangalore, India
Systems Engineer *Sept. 2020 - Present*
 - Developed Policy as Code CLI in python for teams to create, manage and consume policies
 - Created and managed azure extensions using typescript for deployments using terraform and helm chart
 - Built npm package to access nuget and azure devops artifacts using Azure REST APIs
 - Maintain code coverage of above 90% using unit & integration tests in mocha, chai, sinon, black, pytest
 - Extensively use open policy agent and confest to evaluate, test & write policies in rego
- **Tata Consultancy Services** Bangalore, India
AWS Developer Intern *Feb. 2020 - Mar. 2020*
 - Deployed and monitored applications over elastic compute using docker and CloudWatch
- **Tata Steel** Jamshedpur, India
Summer Trainee *Jul. 2019 - Aug. 2019*
 - Employed Django REST framework to design REST API for TMH Vishwas (mobile & web)
 - Implemented OAuth2 authentication into the application
- **FOSSEE 2019 IIT Bombay Summer Fellowship** IIT Bombay, India
Summer Intern *Mar. 2019*
 - Integrated feature for multiple uploads of media & documents and organised their display
 - Developed API in django that allows CRUD operation on MySQL database

EDUCATION

- **University Institute of Technology, Burdwan University**
Bachelor of Engineering in Computer Science and Engineering; Percentage: 79.5% *Aug. 2016 – Aug. 2020*

SELECTED OPEN-SOURCE PROJECTS

- **Lastleaf (Soracom Cellular IoT Challenge)**: Lastleaf rescues from road accidents by sending automated SOS using Raspberry Pi, Android application, Soracom service and Internet. It was listed among the hardware winning ideas.
- **TeamSpeak - Chat platform**: TeamSpeak helps in event participation in collaborative way where one can discuss on topics. It integrates with Directi's Codechef as chat platform using Codechef OAuth2 API, Alibaba Cloud ECS and RDS. Implemented socket.io on Node.js and MongoDB. It is dockerized to run on cloud server.
- **Pragati (AngelHack Jaipur 2018)**: An Android application that enables needy people have a free meal.
- **Plagiarism Scanner (TATA Crucible Hackathon 2018)**: Coordinated a team of three to prepare a django web service that seamlessly integrates with TATA Crucible's platform and scan for plagiarized content in submissions using web scraping and NLP.

AWARDS AND RECOGNITION

- **Innovation Pride Award**: BFSI Europe Technology Excellence Group, Tata Consultancy Services
- **University Project Lead, Digital Image Processing**: Lead final year project at university using Matlab and C
- **TCS Codevita 8**: Ranked 151 in zonal and overall 875 out of 55654 candidates
- **Codechef - Alibaba Cloud API Hackathon (Ranked 23rd in 2285 teams)**: Directi, Intel, Alibaba Cloud, 2018
- **Young Scientist Award**: University of Burdwan, 2018
- **2nd, State level, Govt. of India**: Trophy in IT Talent Search '15 while competing against schools from 23 districts

RELEVANT SKILLS SUMMARY

- **Technologies**: C/C++, Java (Swing, Android), Python (Django, Flask, Click, Pytest), JavaScript (D3.js, Node, Angular), HTML5, Git, Docker, Firebase, MySQL, Oracle, SQLite, MongoDB, OAuth2, Serverless, AWS, Jenkins, Kubernetes, CI/CD, Terraform, Docker, Openshift, Open Policy Agent (OPA), Azure DevOps, Azure pipelines, Elasticsearch