Ujjwal Agarwal

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WORK EXPERIENCE

GSoC Project Intern @ SPDX (Go Lang)
GOOGLE SUMMER OF CODE   Certificate
📅 May 2021 - Aug 20211   📍 WFH
- **Added JSON support to tools-golang@SPDX**
- Deployed Json parser to production within first **1 month.**
- Fixed major bugs in the existing code during the tenure.
- Impacted **hundreds of lives during my term** by providing json support to parse SPDX documents.

Virtual Research Intern (MERN)
SAMSUNG ELECTRONICS (SRIB PRISM)   Certificate
📅 Apr 2021 - Sep 2021   📍 WFH
- Developed an Online Protection Evaluation Tool
- Implemented the entire **cookie tracking and fingerprinting tracking evaluation tool** on my own
- Pushed down to production within first **120 days**

Software Engineer Intern (MERN + DevOps) Certificate
GROWTHGEAR LLT
📅 Jan 2021 - May 2021   📍 WFH
- Developed a **Virtual Events App** containing 2+ screens producing $**10000+ sales**
- Deployed a **Realtime video Conferencing service** to hold live events for people across the world during covid-19.
- Increased **Speed** of the existing products by **23.57%** by optimizing the backend code base.
- **Documented** the workings in detail at the end.

EDUCATION

Bachelors in Computer Science & Engineering
THAPAR INSTITUTE OF ENGINEERING AND TECHNOLOGY
📍 Patiala   **Focus:** DevOps and Cloud Computing
Graduation Year: 2023   **Grade**: 9.91 CGPA

Senior Secondary & Secondary Education
CITY MONTESSOR SCHOOL
📍 Lucknow   **Focus:** PCM + Eng. + CS
Senior Secondary - **Completion Year**: 2019 | Grade: **99.25** %
Secondary - **Completion Year**: 2017 | **Grade**: 96.40 %

AWARDS & ACHIEVEMENTS

Hackathons
- <u>**3rd Prize Winner**</u> in MLH Execute 2020
- <u>**Best Blockchain Hack**</u> in Hack Battle 2020
- **Runner Up** in Hack Edu 2019

Competitions
- **College Rank #19** based on 2nd year CGPA
- **India Rank 4** in ISC 2019 Board Examinations.

Scholarships & Programs
- <u>**Merit Scholarship from TIET worth 3.18 lakhs/annum**</u>
- <u>**Govt. Of India Inspires Scholarship**</u> - Season 2019 Batch

TECHNICAL SKILLS

Programming Languages and Markups
GO Lang, Java, JavaScript, C++, C, HTML, CSS

Frameworks, SDKs, Libraries & Databases
NodeJS, ReactJS, ExpressJS, MongoDB, SQL

Domains
Web development (MERN), DevOps, Cloud Computing

Tools, Utilities & DevOps
Docker, Kubernetes, Terraform, Ansible, Travis-CI, Azure devops, Jenkins, GitHub Actions

Cloud Platforms & Services
AWS, Microsoft Azure, Google Cloud Platform

Industry Recognized Certifications
Preparing for AWS certified Developer Associate

PROJECTS

Bot Framework #1   GitHub
- Uses slack API, AWS CloudWatch, NodeJS
- May impact the lives of more than 1000 developers
- General purpose bots to scrape articles from blogging websites periodically and post them to slack.

Organ Donation Blockchain #2   GitHub
- Built a decentralized application on the Ethereum blockchain to stop organ trafficking.
- Built an ecosystem where the donors, recipients and others can interact with each other directly on secure lines

Kubernetes CI/CD #3   GitHub
- CI/CD Pipeline on a MERN stack application on AWS
- Kubernetes used from orchestration of cluster

Optim #4   GitHub
- Tech Stack is **MERN**, docker, ansible, Redis, AWS.
- Aimed at building an in-college community for developers

Event engage #5   Website
- Virtual Event app which supports realtime video streaming
- and realtime chats along with Analytics

EXTRACURRICULAR

General Secretary @ ACM Thapar Student Chapter

Open-Source Contributor @ SPDX, Litmus-Chaos

Vice-Chair @ Center of Training and Development

Organizer @ Spectra, Eclipse and DevCon'21

Sessions @ Introduction to Git and GitHub

Core Member @ Developer Student Club Thapar