

Shreyansh Khajanchi

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Learn more @ <https://www.shreyanshja.in>

Experience

Google Summer of Code - Debian (June'18 - August'18)

- Developed **BootTorrent** as an Open Source Python based software by collaborating with OSS community of Debian and University of Milan, Italy.

RedCarpet Tech Pvt Ltd (June'17 - July'17)

- Setup **Apache Airflow** including **cloud deployments** on AWS (Amazon Web Services) using Docker and writing data pipelines + tests with Python PyTest.
 - Developed **Drip Marketing system** to manage 50,000+ users by sending automated SMS + Notifications with Pusher and Solutions Infini APIs.
 - Wrote Razorpay payments reconciliation scripts with relevant APIs, Ruby ActiveRecord DBMS migration scripts, and bug fixes for the backend system.
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Open Source Projects

BootTorrent: github.com/shreyanshk/boottorrent

- Developed a novel, distributed **P2P network booting solution** with **BitTorrent**.
- Designed to ease creation and handling of massive Beowulf clusters.
- **Distributed** network booting of QEMU Virtual Machines or Linux based OS.

Flask-Firehose: github.com/shreyanshk/flask-firehose

- Library to utilize **HTTP/2 Server Push** programmatically in Python Flask.
- Integration testing inside Docker containers and unit testing in Pytest.

LABAssist: github.com/shreyanshk/labassist

- Simplified management of **massive clustered computers** centrally.
 - Elliptic curve cryptography (ECC) for signing and verifying communications.
 - **Secure, encrypted and verifiable** crypto system with SECP256K1 curve.
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Education

Vellore Institute of Technology, B.Tech, CSE (2015-2019)

- 1st position for **best open source** project on FOSS Day for Portable Linux.
- 2nd position in **Microsoft Hackathon** and **Linux knowledge** competition.

Shiksha High School (2012-2014)

- 2nd position, **statewide, National Cyber Olympiad**.
 - **Awarded scholarship** for outstanding oratory and public speaking skills.
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Skills

- Deep/Machine Learning: PyTorch, TensorFlow, Keras
 - Languages: Python, Golang, Java, SQL, C/C++, Rust, JavaScript
 - WebDev: Python Flask, Rust Rocket, React, Bootstrap, Materialize
 - Database: PostgreSQL, SQLite, SQLAlchemy, Redis, MySQL
 - Dev tools: Git, Docker, Vagrant, Ansible
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Volunteering

- Core member - **OWASP**, VIT Chennai. Promoting safe practices in web security.
- Open source contributor at: [CERN](#), [Debian](#), [MellowPlayer](#), [Arch Linux](#) etc.