

Prajwal Ravishankar

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EDUCATION

- **Birla Institute of Technology and Science, Pilani** India
Bachelor of Engineering in Computer Science; CGPA: 9.01 / 10.0 *Aug. 2016 – July. 2020*

EXPERIENCE

- **Sensei Technologies** Bangalore, India
Summer Intern *May 2018 - July 2018*
 - Keycloak is an open source OAuth2 based Identity and Access Management server.
 - Replaced the existing BASIC authentication system with Keycloak in one of the company's projects.
 - Enforcing user authorization to resources based on User Roles defined in Keycloak.

PROJECTS

- **Malware Mitigation in IOT devices**
Ongoing Research project under Prof. Geethakumari
 - Collecting IoT malware and benign binary files and converting them to grayscale images.
 - Using a Convolutional Neural Network based approach to classify the images using least minimum number of parameters, while maintaining a good accuracy.
- **Musik**
Personal project
 - Musik is an application that let's users upload, store, and play all their music from the cloud.
 - Supports multiple users with secure login.
 - Used Django with MySQL for the back-end and Bootstrap 4 for the front-end.
- **Movie Database Manager**
Part of a team of 4 as part of Database Systems course
 - A multi-user based comprehensive movie management system.
 - Supports basic CRUD operations and can launch movies directly from the app.
 - Used Java with MySQL and JavaFX for making the User Interface.

RELEVANT COURSES

- Object Oriented Programming • Data Structures and Algorithms • Database Systems
- Discrete Structures for Computer Science • Operating Systems
- Information Retrieval • Cryptography (Ongoing) • Programming languages

PROGRAMMING SKILLS

- **Languages:** Java, C, C++, Python 3
- **Tools and Technologies:** MySQL, Linux, Git, Bootstrap, Django, IntelliJ, PyCharm

AWARDS AND ACHIEVEMENTS

- Awarded the highest Merit scholarship for standing in the top 25 among 700 students in BITS Pilani.