

# Akshay Prakash

Roll No.:180001004

B.Tech - Computer Science and Engineering

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## EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech. Major	Indian Institute of Technology Indore	8.27 (Current)	2018-Present
Senior Secondary	CBSE Board	89.00%	2018
Secondary	CBSE Board	10.00	2016

## EXPERIENCE

- **Appointy Software Co.** Apr. 2020 - Jul. 2020  
*Product Development Intern* Bhopal, India
  - Extended Existing Appointy's Scheduling Framework To Integrate Apple iCloud Calendar, Which Allows Users To Synchronize Appointments, Events & Block Hours Between Their Appointy & iCloud Calendar.
  - Initial Steps Involved Understanding The Existing Framework & Services Provided, Learning Caldav, gRPC etc.
  - Next Steps Involved Implementing All The Services Provided By The Scheduling Framework for iCloud Calendar in GoLang and Making Changes In Relevant Existing Services(Auth Service, etc).
  - Later Steps Involved, Tackling Problems Like Recurring Events, Testing & Pushing The Code To Production.

## PROJECTS

- **Levenshtein Algorithm Analysis** Jan. 2020 - Jul. 2020  
*Course Project under Dr. Kapil Ahuja, Associate Professor, IIT Indore* Project Report
  - Analysing the Classical Levenshtein algorithm used in calculating text/word similarity index, on Human DNA sequences, Calculating Linguistic differences and Image Similarities.
  - Modifying the algorithm with custom weights to calculate percent similarity in Images. This includes normalising the images, and treating them as an array of characters.
- **E-Vehicle Tracking** Jan. 2020 - Jul. 2020  
*Course Project under Dr. Puneet Gupta, Associate Professor, IIT Indore* Github
  - Developed an android application with Google's Flutter for keeping track of the E-vehicles inside the campus.
  - Application uses Google's Geo-location plugin to detect and plot the real-time location of e-vehicles on the user interface.
  - Developed a messaging functionality in the driver's interface to make their communication among peers easier.
- **College Fest Website** Nov. 2019 - Jan. 2020  
*Techno-Cultural Fest, Fluxus* Github
  - Developed a web application for college techno-cult fest, with functionality of registration for different events.
  - Website had more than 25,000+ views and managed registration of 5000+ people.

## TECHNICAL SKILLS

- **Programming:** C/C++, JavaScript, HTML, CSS, SQL, PHP
- **Tools/Frameworks:** Git, MySQL Workbench, phpmyadmin, Flutter \* Elementary proficiency

## KEY COURSES TAKEN

- **Computer Science Courses:** Computer Programming, Data Structures & Algorithms, Database Management & Information Systems, Discrete Mathematical Structures, Automata Theory and Logic, Design and Analysis of Algorithm, Logic Design, Software Engineering, Operating Systems\*, Computer Architecture\*, Optimization Algorithms and Techniques\*, Parallel Computing\* \* Ongoing Courses

## POSITIONS OF RESPONSIBILITY

- **Core Member**, Programming Club, IIT Indore
- **Web Developer**, Fluxus 2020, IIT Indore
- **Web Developer**, Student Affairs Section, IIT Indore

## ACHIEVEMENTS

- **Google, Build for Digital India Startup Campaign**, selected among top 61 teams all over India 2020
- **Google Hash Code**, secured rank 334 among 50k+ teams in the Contest conducted by Google 2020
- **Bronze medalist in Inter IIT tech meet**, for designing a system to report road defects and road construction progress 2019