Piyush Agrawal

Software Developer

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Summary

I'm software developer by title but a curious engineer by mindset. I like to know about everything which I see especially if it related to computers. In my bachelor education, I have tried several things, from core softwares to electronic components. I believe language is just a tool to solve a problem. Understanding the problem in the correct way is the actual challenge in computer science.

Work experience

Backend Engineer
2019-07 - Present

Swapcard

Initiating the new Infrastructure as a Code of backend API

Software Developer
2017-11 - 2018-08

Indian Council of Medical Research(ICMR)

Software Developer (10 months) New Delhi Area, India FOSSASIA

Mentor
2017-11 - 2018-08

Google Code-in and Summer of Code

Open Source Mentor for the FOSSASIA organization

Freelance Frontend Developer
2016-12 - 2017-01

Lloyds Ventures

Freelance Frontend Developer for a specific product that was crucial for them. I helped the team to start from scratch and form a developers team.

Web Developer Intern
2016-06 - 2016-08

BioHiring

Designed and Crafted the application structure of their MVP. Created AngularJS and Laravel based project set up with NodeJs as the proxy between them. This MVP was very helpful to improve the existing manual process that time.

Software Development Intern
2015-12 - 2016-01

TheSmartTrolley.com

Created Control Panel in AngularJS for managing orders, customers, offers, etc. Creates RESTful APIs for the control panel in Laravel. Languages/Frameworks used: Javascript, AngularJs, LESS, PHP, Laravel. Envato

Freelance Web Developer
2013-01 - 2015-07

Envato

Skills

Python, Javascript, Golang, C++, C;

Nodejs, Electron.js, Django, MongoDB;

Kubernetes, Terraform, Cloud Native, Helm, Jenkins, AWS, GCP;

Computer Vision, NLP, Numpy, Panda;

API Development, LateX

Achievements

Two times winner of Facebook Dev Community Challenge: 2018 & 2019

Celestini Contest by the Marconi Society 2019 Winner. Developed IoT based solution for women safety.

Two Times Smart India Hackathon Winner (Biggest Hackathon of World)

Bachelor Major project awarded among the best projects in University.

India Skills 2017 bronze winner under web designing skills. First in Regionals.

Winner of other 3+ hackathons.

Activities

ICPC Regionals Participant

Was Captain of Mozilla Campus Club

Initiated the open source culture in my campus. Organised several meet-ups for GSoC and Outreachy programs.

Education

Bachelor of technology   2015 - 2019

Bharti Vidyapeeth College of Engineering

CGPA: 8.5/10, subjects: Algorithms and Data Structures, Database Management, Operating System, Control Systems, Software Engineering, and more.

Projects

Aerial Vision: Tracking people on the aerial vision received from drone

Tracking people on the aerial vision received from drone ∘ A project that is among the best projects awarded by my university. It can track people on aerial vision captured from the drone with re-identification with the help of the tracker, DeepSort.

DonorFu: Connecting potential donors with Facebook group posts requesting blood donations

A project that won $17500 from Facebook Dev Community Challenge is a messenger and a talking bot over phone call to connect potential donors with blood requester.

H2: A lightweight browser to watch/embed things on picture-in-picture mode

An electron app that allows you to watch many things on picture-in-picture mode throughout your apps and workspaces. ∘ Extended, 3-components based model to implement plugins easily.

LatexGo: Using the power of Web

This project is motivated with the simple question that, if we can mine bitcoins on browsers then why not compile programs in it?
This project uses one of the great tools, "emscripten" to convert the LLVM based compilers into native JS code
The complete Tex package has been re-compiled into Javascript from C++and is working much faster in compare to products live Overleaf.com

Text section