Pratyay Amrit

Analyst, Deloitte USI
Engineer | Science & Technology Enthusiast

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ABOUT ME

Software Developer and Linux enthusiast, with professional experience in web-development, server administration and database management. Interested in machine learning, natural computing and the philosophy of AI. Appreciates the beauty of science and mathematics.

WORK EXPERIENCE

CURRENT, FROM AUG 2018 (FT)

Deloitte USI | Mumbai-IN
Analyst

> Full-Stack Java Developer in a public sector project.
> Took the initiative of automating multiple repetitive processes within the project, effectively reducing the manual effort by about 10-15h per week.
> Provided solutions/workarounds to high impact issues which resulted in monetary benefits for the project and the client.
> Had the opportunity to lead newer members coming into the project through multiple action items, and towards a better functional and technical understanding of various modules within the project.

Technologies Used: Java, IBM Websphere, ILOG Rule (Rule Designer), Oracle SQL, JavaScript, Python.

JAN 2018 – JUN 2018 (FREELANCE)

Self Employed
Freelance Web Developer

> Developing solutions for an upcoming startup
> Responsible for end to end development process and meeting client's expectations.

Technologies used: PHP, CodeIgniter, HTML, CSS, JavaScript, AngularJS, Git, Linux

AUG 2016 – SEP 2017 (PT)

Placement Office, MIT | Manipal-IN
Developer

> Web based portal on the college intranet to provide placement related functionalities, such as registering for companies, building profile etc.
> Responsible for maintenance operations of the portal, while incorporating any new requirements.

Technologies used: PHP, HTML, CSS, MySQL, JavaScript, Linux

MAY 2017 – JUN 2017 (INTERNSIP)

Rudyard.me | WFH
Web Development Intern

Building a JavaScript based Transcription Editor Module.
⌗ https://github.com/arkeyve/transcription-editor

Technologies Used: JavaScript, HTML, CSS, PHP, Python, Git, SoX

MAY 2016 – MAR 2017 (PT)

College Fests, MIT | Manipal-IN
Category Head, System Admin & Web Dev

> Managing and maintaining database for national level annual fests. (technical fest, TechTatva'16, and cultural fest, Revels'17)
> Developing web based portals for other organizing members of the fest to interact with the central database.
> Responsible for recruiting, training and leading a team of 'organizers'.
> Developing the main website for Revels'17.
⌗ https://github.com/arkeyve/revels17

Technologies Used: JavaScript HTML CSS Linux InkScape Git PHP MySQL

TECHNICAL SKILLS

LANGUAGES	Python, C/C++, Java, C# Octave/MATLAB
WEB DEV	HTML, JavaScript, CSS, PHP, JSP
FRAMEWORKS	CodeIgnitor, Numpy, Pandas, Flask, Angular, OpenCV
DATABASE	Oracle Database, MySQL
DEV TOOLS	Atom, Vim, Jupyter, Eclipse, IBM Rule Designer, SVN, git
DESIGN TOOLS	GIMP, InkScape
MIDDLEWARE	Apache, IBM Websphere (WAS)
OS	Arch Linux, Windows, Ubuntu
OTHERS	Arduino, RFID, Sensor Technology

SIDE PROJECTS

AUG 2019

Firefly III Migrate
An application to import data from one instance of firefly-iii to another using APIs.

⌗ github.com/arkeyve/firefly_iii_migrate
Technologies Used: Python, Flask, OAuth2, APIs

MAR 2019 –APR 2019

Minesweeper Bot
Recreating minesweeper and creating a bot for it.

> Game Created
⌗ github.com/arkeyve/minesweeper
> Greedy Bot Created
⌗ github.com/arkeyve/minesweeper_ai

Technologies Used: HTML, JavaScript, CSS

Snake AI

Recreating the classic snake game and teaching the computer to play it using different methods.

> Game Created
 github.com/arkeyve/snake_game
> Greedy Bot Created
 github.com/arkeyve/greedy_snake_ai

Technologies Used: HTML5, JavaScript, CSS

JAN 2018 – APR 2018

Analysis of Anomaly Based Intrusion Detection Systems

An attempt to rank different machine learning techniques on the basis of their accuracy and time of execution for use in Intrusion Detection Systems.

 github.com/Arkeyve/anomaly_based_ids
Technologies used: Python, Pandas, NumPy

SEP 2017 – FEB 2018

BellBots

Built a small bot to follow the owner using a self-developed indoor navigation system to overcome the challenges around the same in the standard GPS + Bluetooth/Ultrasound methods when used indoors, or in multi-bot environments.

Proof of concept and miniature prototype developed and presented as a business plan, which was awarded a Special Prize in the Inter-University B-Plan Competition, Provenance '18.

Technologies used: Arduino, RFID, Bluetooth, Self-Baked Indoor Positioning and Navigation System.

EDUCATION

2014 – 2018 **Bachelor of Technology**
CGPA: 7.15
Computer & Comm. Engineering
Manipal Institute of Technology

2012 – 2014 **12th Boards**
AGGREGATE: 90.2%
CBSE
Delhi Public School, Gurgaon

2010 – 2012 **10th Boards**
CGPA: 9.4
CBSE
Delhi Public School, Maruti Kunj

CERTIFICATIONS

MAY 2020 **Deep Learning Specialization**
Coursera
Credetial ID: H5UHNL6WU6FU

DEC 2019 **Oracle Certified Associate, Java SE 8 Programmer**
Oracle
Credetial ID: 269982030OCAJSE8

JAN 2019 **Machine Learning**
Coursera
Credetial ID: VJWFES2KXDVV

MAY 2016 **Cloud fundamentals**
Microsoft Technology Associate
Credetial ID: F738-0051

OCT 2012 **Object Oriented Programming in C++**
NIIT Limited
Credetial ID: 12EEZZZZZ2423

OCT 2012 **Programming in C**
NIIT Limited
Credetial ID: 12EEZZZZZ2422