

Akash Das

Computer Science Engineering

"To work in a firm with a professional work driven environment where I can utilize and apply my knowledge." – Akash

Education

- 2014–Present **B.Tech**, *Indian Institute of Information Technology*, Sricity, Chittoor, Agg – 8.0.
Computer Science Engineering
- 2013–2014 **Intermediate**, *Kendriya Vidyalaya No.2 A.F.S*, Jodhpur, Agg–91.60.
Maths, Physics, Chemistry and Biology
- 2011–2012 **Xth Board**, *Kendriya Vidyalaya No. 1*, Faridabad, CGPA – 9.8.
Central Board Of Secondary Education

PROJECTS

- 2015 **DTMF Controlled Spy Robot.**
In this project I have made a bot using Arduino and it is controlled using DTMF signals that is being sent by a mobile which is used as a remote control. Moreover, on top of that I have also implemented Rf camera module which in turn is used for spying purposes.
- 2015 **RF Controlled Spy Robot.**
In this project I have made a bot which is controlled using RF remote and on top of that a spy cam is placed for spying purposes.
- 2015 **IIIT-S Cultural Fest Website.**
I have prepared a website for our college's cultural fest (abhisarga.iiits.in).
- 2015 **Hostel Portal.**
I have developed a hostel portal for our college's hostel administrations which looks after the complaints, allotments, e.t.c . I have also defined different user roles in that portal. Framework used was web2py.
- 2015 **Game Development.**
In this project I have developed a game in Unity. In that game I have made a ping pong type game for learning purposes for teaching students alphabets and words.
- 2015 **Weather App.**
I made an app which can tell the weather of any city by filtering through city name or pin code. I developed that app on android studio and has used an open weather API to retrieve the weather data.
- 2015 **Developing P2P chat communication application.**
I made a linux based command line application for P2P chat communication. I have used socket programming to build that taking in consideration all the security aspects.

- 2016 **Visible light communication.**
I have made a prototype of visible light communication with a transfer data rate of 200 kB/s with serial transfer of data. I have used LED for modulating the light as per the data.
- 2016 **Smart Home Automation.**
In this project I have developed a smart home automation prototype in which the fan the lights and the AC are being automated. The board used is Raspberry PI and the language used is Python.
- 2016 **Learning Game For Computing.**
I have made a learning game for computer science students for learning linux commands in a easy way. I have used unity as the platform and c(sharp) as the language.
- 2016 **Real Time Video Sharing.**
In this project I am developing a webapp like youtube in which users can share their videos in real time and can also chat with each others. I am developing this web app in node js with hapijs framework.
- Present **Security Drawbacks analysis of IOT in e-Healthcare system.**
I am currently working on the analysis of the security flaws in IOT in e-Healthcare.

Experience

- May **Internship at Rekall Software Pvt. Ltd..**
2015-July I have done Internship at IIIT-H in network and server administration. I have done work on server administration and the things that I learned there were :- Ansible, Cacti, Squid proxy server, Virtualization(openvz), Network Monitoring, e.t.c.
- 2015 **Internship at ITS (Tata Steel).**
May 2016 - July 2016 I have done my summer internship in 2016 at ITS(Tata Steel), Jamshedpur. I have worked on SAP(Sales and distribution module) and has worked on configuring sales area, making new window interfaces using ABAP, locking sales order, understanding enterprise structure, e.t.c..
- August 2015 - **Student Network Administrator.**
Present I have been working as the student network administrator for the server management and network security of our college's campus.

Awards/Certification

- 2016 Certificate by Tata Steels IT Department(SAP-SD).
- 2015 Certificate by Rekall Software Pvt. Ltd. .
- 2014 Certificate by Kendriya Vidyalaya Sangathan.
- 2014 Certificate by Kendriya Vidyalaya Sangathan for second position in regional cricket sports meet 2014.
- 2012 Certificate by Kendriya Vidyalaya Sangathan for participating in regional badminton sports meet 2012.

Programming Languages/Skills

- Programming Languages C, C++, JAVA, Python, Embedded C, ABAP, Assembly language, Lua
- Scripting Languages Bash, Javascript, C(sharp), Ansible, PHP

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Markup Languages HTML, HTML5, CSS, Bootstrap, UML, TeX, XML

Additional Skills

Softwares Unity, Web2py, hapijs, Android Studio, NMAP, Wireshark, MATLAB, CY8CKIT, Arduino IDE, SUMO, NS-3/2, Express JS, Firewall, Django, Ionic, Databases(Relational and Social)

Personal Skills

- Fast Learner
- Able to handle multiple situations at the same time.
- Easily Adaptable to the working environment.
- Can manage time effectively.
- Can work in teams very easily.
- Proficient speaker.

Languages

Bengali **Mother Tongue**

Hindi **Common mode of language**

English **Professional mode of language**

Fluent

Con conversationally fluent

Interests

- Coding
- Cricket
- Badminton
- Enjoying nature
- Hacking
- Football
- Listening Music

Personal Details

DOB 21st of Jan, 1997

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Languages English, Hindi, Bengali, Oriya

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References

Ipshita Das General Manager, JCAPCPL(TATA STEEL Pvt. Ltd.)

Saurabh Barjatiya
CEO, Rekall Software Pvt. Ltd.

Dr. Amitava Das
Professor(NLP), IIIT-Sricity

Dr.Odelu Professor(Cryptography), IIIT-Sricity
Vanga

Dr.Uma Professor, IIIT-Sricity
Garimella