

Prashant Maurice

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Experience

Software Developer - Android, Freecharge.in

Bangalore, Karnataka — August 2014 - present

- Developed Notification Widget service for an Utilities App
- Developed Launcher and a cover screen with dynamic UI adaptability based on user usage and time
- Developed Messaging client using Long Polling techniques as a one-on-cloud chat service

Software Developer, Preburn.in

Noida, Delhi — Jun 2014 - present

- Wrote software for Android-based data acquisition modules to collect data from smartphones and analyzed apps usage patterns,
- Developed an Admin page for Clients using PHP

Lead Web Developer, We the change mission & Annapurna foundation

Chennai, TamilNadu — october 2013 - present

- Web Designer for a non-profit organization called 'We The Change Mission' currently with over 26 branches over India
- Built Concept Introduction page, complete main website, which was used for publicity, donations drive, Marketing
- Built a CMS portal for volunteers to auto update content on website
- Built main website with PHP with login Access

Frontend Developer, Syncwits

Chennai, TamilNadu — october 2013 - present

- Front end web designer for a Start-up, 'Syncwits.com', a social networking site
- Built from scratch complete front end, different layouts, designing in photoshop and After Effects
- Directed and Edited the introduction video explaining the concept and business model

Miscellaneous

- Created a website for a Start-up, 'Robbinbakers.com', an online bakery store for college students living in Guntur, AP
- Designed Head for **Raftar**, IIT Madras formula racing team, built their website, Logo, Brochure designs, T-shirt Designs, Banners

Projects

Optimization of Hybrid Algorithms (*Btech project*)

- Developed a Hybrid Algorithm from Genetic and Newton-Raphson Algorithm with **10% less run-time** from previous one
- Customized algorithm to solve **complex multi-variate functions** with robustness and speed, developed in MATLAB

JAVA Games (*applets*)

- Developed basic games like 'Snake', 2D version of 'AirXonix' written in Java as applets later to be exported in android

Motion Design (*Promos for our technical fests*)

- Created many Promo videos using After Effects, and Photoshop for our Technical fests, organizations like 'Dhruva', and for startup companies like Syncwits

Graphic Design

- Prime designer in our Hostel, made stuff like T-shirt designs, Nameplates, Banners, Hostel Website etc.

Robo-Spider (*Innovation project*)

- Developed a **Hexapod robot base** inspired from Terrestrial locomotion of Spiders at a project cost of **15,000 INR**
- Various concepts such as variable suspension, multi terrain mobility and adaptability, are successfully implemented

Light Drawing Robot (*Sponsored by Dean, IITMadras*)

- **First Indian student team** to create light photography using Robots, later used for publicity, exhibited in Shaastra'11, IITM technical fest
- Developed an **Omni-wheeled Holonomic robot** that can instantaneously move in any direction by **velocity vectoring**

Education

Indian Institute of Technology, Madras : 8.22/10
Btech Mechanical — 2010 - 2014

Narayana Junior College, Hyderabad : 93.8%
Class XII — 2008 - 2010

St Martins High School, Hyderabad : 88.9%
Class X — 2004 - 2008

Skills

Programming Languages :

- Strong in C/C++ and Javascript
- Also programmed in Java, Matlab, PHP

Web technologies and frameworks :

- **Basics:** HTML, CSS, AJAX
- **Frontend frameworks:** jQuery, AngularJS, Bootstrap, Wordpress
- **Backend frameworks:** NodeJS, PHP
- **Database systems:** MySQL, MongoDB, noSQL
- **PaaS architectures:** Google AppEngine, Heroku, linode
- **Development tools:** Git, NPM

Mobile frameworks :

- **Hybrid Mobile App Frameworks:** Ionic, PhoneGAP
- **Native Apps:** Android

Design frameworks :

- **Tools:** AfterEffects, Photoshop, 3DSMax, AutoCAD
- **Native Apps:** Android

Miscellaneous :

- Worked with Arduino boards, Atmega series of microcontrollers, Radio modules

Positions of Responsibility

Design Head, Extra Mural Lectures

- Organized the **only student managed** lecture series of IIT Madras with 15 lectures, **87% more** than previous year
- **Head** of the design department handling online publicity, posters, t-shirts, banners, website, publicity teasers
- Initiated video coverage of all lectures for the first time, **300%** increase in social media subscriptions from previous year

Coordinator, Shaastra Media team 2013

- Executed **first ever** simultaneous live telecast of various events at prime locations in festival, also dubbed 'Shaastra Aaj-tak'
- Directed the **Main Teaser** for Shaastra, also created **50%** more publicity teasers than last year

Coordinator, Youth Empowerment solutions 2012

- Organized 4 day workshop on Interpersonal skills, attended by 700 students with a budget of **50,000 INR**
- **Headed** design team of 10 members, handled Photography and videography including equipment, interviews, publicity

CoCurricular Achievements

- **Secured 14th** position in GS Quantify, a competition on **Algorithmic Trading** organized by **Goldman Sachs**
- **Second** out of 80 teams in Aerobotics, Shaastra'11, a competition on building **fastest Semi-Autonomous Hovercraft**
- **Second** out of 20 teams in Fire-n-Ice, Shaastra'13, an **IC engine RC car** Racing event under 3.5cc-diesel engine category
- **First** out of 20 teams in Robo-construct, CEAfest'12, a robotics competition on building a **Mobile Robotic arm**
- **First** out of 40 teams in Manual Robotics, Mechanica'13, a competition on construction of **Disaster Management Robots**
- **First** out of 60 teams in Triathlon, Waves'13, a case-study competition on **Design optimization** of sea vessels
- **Third** in Autonomous Robotics, Mechanica'13, a robotics competition on **Dynamic Line-following robots**

Extra-curricular Achievements

- **Second** in Design fest conducted in Shaastra 2013, a **Graphic design** competition on designing Minimal posters
- **Winner**, (of 17 hostels) in Inter-hostel Choreography competition 2011 and second in 2010 respectively
- **3rd place**, (of 17 hostels) in Inter-hostel Short-film competition 2011 directed and edited by myself.

References

Available upon request.